

SEQUENCE LISTING

<110> Daly, Mark J.
Hudson, Thomas J.
Lander, Eric S.
Rioux, John
Siminovitch, Kathy

<120> IBD-Related Polymorphisms

<130> 2825.1025-002

<140> 09/735,271

<141> 2000-12-11

<150> 60/170,257

<151> 1999-12-10

<150> 60/196,046

<151> 2000-04-10

<160> 2358

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<400> 3
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 agaggg 66

<210> 4
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<400> 4
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 agacagaaaa ttagcttaga gatgggaggt ggcangatct ctaaagctgt cccgctgcc 59

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 atgggagggtg gcacgatctc taaagctgtc cngctgccat tcaggagtgc ctcatgcata 60
 ag 62

<210> 8
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<400> 8
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ggcgcccacn caaactctgt cgcagtc

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<210> 13

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<400> 13

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<223> n = A,T,C or G

<400> 14

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56

<210> 15

<211> 63

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gag

60
63

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aaggccctca ttgattcatg attangtggt ttgttggtgt ccatgcct 48

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<211> 40
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<400> 17
gctccaagcc ctggggaggg aaggaagtgg ctgacccac 40

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caagcttcc 69

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tccttcctca caaactccta agtaccnnga gagcaatagg actcctgtta aa 52

<210> 20
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<400> 20
gggttttggtg tatctaaaat agngacctc agccttaaaa cctcatct 48

<210> 21
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<400> 21
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<210> 22
 <211> 23
 <212> DNA
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<400> 22
 cagtaaatat ytaggcctat gtc 23

<210> 23
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 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 23
 aatttatttta ttgcttttta aataagtgan ctctctgctc atttggattc tgctatctcg 60
 ta 62

<210> 24
 <211> 59
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<400> 24
 ttattttattt gctttttaaat aagtgactct nctgctcatt tggattctgc tatctcgta 59

<210> 25
 <211> 59
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<400> 25
 gcaatgctgt ttttttcttt agtatacaaa ntgaatcctt ctttccctca aaagcttga 59

<210> 26
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 <223> n = A,T,C or G

<400> 26
 cccccacat ctctcgggtg gcgaagggan aatggtatct ttaataccaa aaagataat 59

<210> 27
 <211> 59
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 <223> n = A,T,C or G

<400> 27
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<210> 28
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 <223> n = A,T,C or G

<400> 28
 ccatctatgt aggtaacnga ggcaaagcaa gggctaggga ga 42

<210> 29
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 <223> n = A,T,C or G

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 gggaggcaga cattaggcaa ataatnacat ggatctctga aaaacatagc tcctacga 58

<210> 30
 <211> 50
 <212> DNA
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 <223> n = A,T,C or G

<400> 30
 agaggaatgg ggtggagttg gcagnggggc tggttctcgg ctctccccga 50

<210> 31
 <211> 50
 <212> DNA
 <213> Homo sapiens

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<400> 31
 ctggcttagg ccaaagaact ggccangtta cagttccac agagtaccg 50

<210> 32
 <211> 53
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<400> 32
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<210> 33
 <211> 45
 <212> DNA
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 <223> n = A,T,C or G

<400> 33
 gcggctgcag ggggaggcac aagcntgggc caggcgcaa gcggc 45

<210> 34
 <211> 29
 <212> DNA
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<400> 34
 atgtgctacc atggccaact aatgtttga 29

<210> 35
 <211> 61
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 <223> n = A,T,C or G

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ctgggtaaaa caggctgccc tggacaaagc nggaaacaga atgaggctcc aggcgttgat 60
t 61

<210> 36
<211> 60
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<223> n = A,T,C or G

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ccacattttc ttaatccagt ctatcattgn tggacatttg gggtggttcc aagtctttgc 60

<210> 37
<211> 60
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<223> n = A,T,C or G

<400> 37
tccttcacag gacaggaatt ctgcaaaaana aacatttcat tagcttgcat tggtaagcat 60

<210> 38
<211> 57
<212> DNA
<213> Homo sapiens

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<222> (1)...(57)
<223> n = A,T,C or G

<400> 38
aaatggttac tgtataccat tacctatctg ctttnggggt gggatggcgcg gggggga 57

<210> 39
<211> 62
<212> DNA
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<223> n = A,T,C or G

<400> 39
aataggtgtc gatttgcagt gacaatgtga gncaattagt ttatcaggag aagctaacga 60
tg 62

<210> 40
<211> 61
<212> DNA
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<223> n = A,T,C or G

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tgaacttttag ctctcttttg taaataggaa atngctccaa ctacttggtcc acccaagaaa 60
c 61

<210> 41
<211> 63
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

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tatctgccgc cctccctcc acagcttggtc agncttcctc taattggaaa agccagatgc 60
tcg 63

<210> 42
<211> 67
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<223> n = A,T,C or G

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tccccctccc ttgtttcgct ccgatctctg ttcncatctt atctcatggg gaggatttct 60
ccaacct 67

<210> 43
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<223> n = A,T,C or G

<400> 43
ctctttgcta acatatttaa tattttaaata cnaggaaaaa caataaatta ctcgttggct 60
ga 62

<210> 44
<211> 52
<212> DNA

<213> Homo sapiens

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<222> (1)...(52)

<223> n = A,T,C or G

<400> 44

atgtcgctt ttctgtctt tccctenttt tctagaagt cctccagaaa cc 52

<210> 45

<211> 57

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 45

ctggagtgc gctacttggc cgtgtgaccc cnctacgggc ctgtttccta atctgta 57

<210> 46

<211> 64

<212> DNA

<213> Homo sapiens

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<222> (1)...(64)

<223> n = A,T,C or G

<400> 46

ataatgcaga acaaattaga gaaaaactcc ngtcaggctc tccactcacc catggctggt 60
ggct 64

<210> 47

<211> 57

<212> DNA

<213> Homo sapiens

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<222> (1)...(57)

<223> n = A,T,C or G

<400> 47

aaacaaacaa tgcccggcag agtcaccngg gctggccatt tgaaaagagt acatcag 57

<210> 48

<211> 58

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

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<210> 49
 <211> 63
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 <223> n = A,T,C or G

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 cat 63

<210> 50
 <211> 63
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 caa 63

<210> 51
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 <223> n = A,T,C or G

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 cagtagtgct aggaaagaga tgtggattac tgcntctgtg caatgataaa gcagtaagtt 60
 atccg 65

<210> 52
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 <223> n = A,T,C or G

<400> 52
 tgtagtaaaa acattcaaaa tcctctcttc nagctatcaa gttattttgt aatttg 56

<210> 53

<211> 61
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<223> n = A,T,C or G

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ctaaactggg gtcatatcttc ctcacagcc ncattctgct aatgccagat gccctgggaa 60
g 61

<210> 54
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<400> 54
tctgctaattg ccagatgccc tgggaagntc ttcactgcca tcttggaagg atgcaga 57

<210> 55
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<213> Homo sapiens

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<400> 55
cctgggaaga tcttcactgc catcntggaa ggatgcagaa tgtggtgat 49

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<211> 59
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<223> n = A,T,C or G

<400> 56
ctgctcccat cttccctata ccattgtctga ncccttgagc cataacatgg atggacagc 59

<210> 57
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<223> n = A,T,C or G

<400> 57

aagctacaca agatgggcat ttggcctttt accaacaatgc ttgttccttg actt 54

<210> 58

<211> 61

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 58

cagcaaacc catgcaaaca ttcagcattt canggctgag gccacacaca gaagccatca 60
g 61

<210> 59

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aaaccccatg caaacattca gcatttcacn gctgaggcca cacacagaag cc 52

<210> 60

<211> 57

<212> DNA

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<400> 60

ggtagccac agatgtttct gtggctacca acngagaaaa gccatctttt aaacagc 57

<210> 61

<211> 69

<212> DNA

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<223> n = A,T,C or G

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gccatctttt aaacagcaga aatctcactc gttcnctgt cccactctct cctgtcaat 60
ccccaggac 69

<210> 62
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 caac 64

<210> 63
 <211> 38
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 63
 ggggcttgcg cagcactggg ccngggacgc agacccaa 38

<210> 64
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 <223> n = A,T,C or G

<400> 64
 cagcactggg ccggggacgc agacccaana cgacagcagg cagcgccgag cg 52

<210> 65
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 65
 tggaaggggc cgacatggca atgaatcta 29

<210> 66
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 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 66

cccaggttgg tttngaactc ctggctt 27

<210> 67
<211> 24
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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 67
actgctgggc cgngtgtggt ggct 24

<210> 68
<211> 27
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<213> Homo sapiens

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<400> 68
gctgggccgg gtgnggtggc tcacccc 27

<210> 69
<211> 26
<212> DNA
<213> Homo sapiens

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<400> 69
aggcaggtgg atcacnaggt caagga 26

<210> 70
<211> 19
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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 70
gtaaaattta ntttttttt 19

<210> 71
<211> 23
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<400> 71
 ttagaaaaac nactgctggg ccg

23

<210> 72
 <211> 31
 <212> DNA
 <213> Homo sapiens

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<400> 72
 ctcagaaaaa caaaacanaa caaaaagaaa c

31

<210> 73
 <211> 25
 <212> DNA
 <213> Homo sapiens

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<400> 73
 taaaaattta antttttttt ttttt

25

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<400> 74
 aaaaanaaac aacactttag ag

22

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<400> 75
 aactcctgac ctaangtgat ccgctgctt

30

<210> 76
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<400> 76
 gttttttttt ntttgagaca gaa

23

<210> 77
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 <223> n = A,T,C or G

<400> 77
 tttcctttac catnctgtcc tcatat

26

<210> 78
 <211> 24
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 <223> n = A,T,C or G

<400> 78
 ccacctgtc ntcatataca aact

24

<210> 79
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<400> 79
 tgggtgcttc tacntttttt ttt

23

<210> 80
 <211> 25
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<223> n = A,T,C or G

<400> 80

tatttttgcc tcngtggatt ctcct

25

<210> 81

<211> 26

<212> DNA

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 81

gtgctgggat tanaggtgtg aaccac

26

<210> 82

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 82

agggtgtgaac cactgntccc agccacttc

29

<210> 83

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 83

ttcatttatg cacatnacac acacac

26

<210> 84

<211> 27

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(27)

<223> n = A,T,C or G

<400> 84

ttccatccac tgtgnacagt gttattt

27

<210> 85

<211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 85
 ggaattctgc aaaanaaaca ttccatta

28

<210> 86
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 86
 ggtaagcatt tgtcntgcct gcctgt

26

<210> 87
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 87
 accattacct atctgctttn ggggtgggtg gcgcgg

36

<210> 88
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 88
 tccctccttg agtgcctca ncggttcct ggggtac

37

<210> 89
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)

<223> n = A,T,C or G
 <400> 89
 cacgccacca tcntctctag cctgggttt 28
 <210> 90
 <211> 22
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G
 <400> 90
 atcttgcttc natgctttcc cc 22
 <210> 91
 <211> 20
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G
 <400> 91
 ccctacaacc natctgtcag 20
 <210> 92
 <211> 33
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G
 <400> 92
 aagggtgctg cagctccnaa ggagtgttta gaa 33
 <210> 93
 <211> 31
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G
 <400> 93
 gagcagcaca tggnccaagt gaggagctaa g 31
 <210> 94
 <211> 36

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 94
 tcccaccagc cagaggtaac tantgctggt aatatt

36

<210> 95
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 95
 ggtggtatta gagaacangg gattgagagc tgc

33

<210> 96
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 96
 gcagatTTTT gnttctgtaa at

22

<210> 97
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 97
 agttcatatt ttaangtttt ttcagg

26

<210> 98
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 98
 cttcttttact cnttacatat accat 25

 <210> 99
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

 <400> 99
 aaccctctaa agatattttt naaaggactt tctaaaggaa 40

 <210> 100
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

 <400> 100
 gtgcaaggcc ttaacgtttt anttgctctg gtatcgca 38

 <210> 101
 <211> 31
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

 <400> 101
 tctagctctg gctgntgagt gtgtctgccca g 31

 <210> 102
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 102
 tttggtaaatt aggaaatngc tccaactact tgtc 34

 <210> 103
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 103
 ggagatttta tanacacaca

20

<210> 104
 <211> 16
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(16)
 <223> n = A,T,C or G

<400> 104
 ccctatctca naaaaa

16

<210> 105
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 105
 atgaaatgag atagtccagc taaangcccg aagag

35

<210> 106
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 106
 agagcaagct naggagctc

19

<210> 107
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 107
 gctctggacg gcnagcccg gaacc

25

<210> 108
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 108
acaatgtgag ncaattagtt t

21

<210> 109
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)
<223> n = A,T,C or G

<400> 109
agcactgggg nacaatgtt

19

<210> 110
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 110
tcaggaatga cntttttttt

20

<210> 111
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 111
aagagctacn gtcttaccaa

20

<210> 112
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(18)
 <223> n = A,T,C or G

<400> 112
 cctcaccna gcagtga

18

<210> 113
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 113
 tatgaatttc ntttttt

17

<210> 114
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 114
 tgcaatggcn cagtctcagc t

21

<210> 115
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 115
 ccttgggcac nctactcagc ct

22

<210> 116
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 116
 ctggccagan gggccctccc c

21

<210> 117

<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 117
aggatttcan gcaggaaagt 20

<210> 118
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 118
agcttgctcag ncttcatcta att 23

<210> 119
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 119
ggatctcgca cnggaaggaa tt 22

<210> 120
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 120
gtactttggt natttaaata at 22

<210> 121
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)

<223> n = A,T,C or G

<400> 121
ttgacaaaaan tggccatga 19

<210> 122
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 122
tagaagattt naaaattgta a 21

<210> 123
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 123
cacacgctca natccaagcc accccaa 27

<210> 124
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 124
gtgcatggnt gtcccctccc c 21

<210> 125
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)
<223> n = A,T,C or G

<400> 125
tctctgttcn catcttatac 19

<210> 126
<211> 17

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 126
tccatactng ttgaatg 17

<210> 127
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 127
agagcacana cacatgga 18

<210> 128
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 128
ctagatgaag ggcatangca gaagacattt 30

<210> 129
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 129
gggctgggggt tcccngngtg ccaagggg 28

<210> 130
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

<400> 130
 cctccgtaaa tatccttnca gccttaaacc ct 32

<210> 131
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 131
 atttaaatac naggaaaaac aat 23

<210> 132
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 132
 tattaccagg gactcctggn gtccactgct ttag 34

<210> 133
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 133
 aacccttggc tccaagtgcn agcagccaca gtcttc 36

<210> 134
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 134
 ttcgaagttt cagttgaacn gtccctcgcg aaa 33

<210> 135
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 135
 gacaaagagg tcagcacntg agtagaacgc

30

<210> 136
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 136
 aaggagcggg ctctactaan gaatcctcct gtaagg

36

<210> 137
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 137
 tgtaagggcg ggcctatnat ggtgctgggg agaat

35

<210> 138
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 138
 tctgtctctt cctccttttt cctagaagtc ctcc

34

<210> 139
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 139
 tggccgtgtg accccnctac gggcctgttt ccta

34

<210> 140
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 140
 taccaaaggg ccgctccngg cacttggcgc atgtg

35

<210> 141
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 141
 ttcttaggtg ttgntttttt ttttttt

27

<210> 142
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 142
 ttccattggt ttcanttgga atttatattt ttaatgt

37

<210> 143
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 143
 ttccattggt ttcanttgga atttatattt ttaatgt

37

<210> 144
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(20)
 <223> n = A,T,C or G

<400> 144
 tctaaactgtn tctttaaactg

20

<210> 145
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 145
 ttattccatt gttttcantt ggaatttata ttttta

36

<210> 146
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 146
 ctgacatatt ttattttantt attagtattt tttttga

37

<210> 147
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 147
 aagcagagcc anacatacat ctcac

25

<210> 148
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 148
 agaaagggac tntctggagc cagg

24

<210> 149

<211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 149
 tttttctctg ccancatagt ccttatgca

29

<210> 150
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 150
 gcaagccaga ngacagggcc acag

24

<210> 151
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 151
 cctgtctttg aatncaaact gctgtc

26

<210> 152
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 152
 atgcatggca tgttcnttt

19

<210> 153
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)

<223> n = A,T,C or G

<400> 153

tagagacnga gtttcacc

18

<210> 154

<211> 18

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(18)

<223> n = A,T,C or G

<400> 154

ctggagtnca atggcacg

18

<210> 155

<211> 36

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(36)

<223> n = A,T,C or G

<400> 155

atgaaaactc taacggntct tcagcttctt gttcta

36

<210> 156

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 156

tgatttttaga attttattna aaaaaagtca a

31

<210> 157

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 157

tttttcttat ngcatttttg ct

22

<210> 158

<211> 25

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 158
 aattagccag gngtgggagc gcgca

25

<210> 159
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 159
 ctgacattac cagnggaaaa caatggctg

29

<210> 160
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 160
 cgagactcca tctggnaaa

19

<210> 161
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 161
 aaangagttt cctctgg

17

<210> 162
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 162
 cagcttctta tggtgntttt attcctcag 29

<210> 163
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 163
 ttaggttctt tggaagcngg tttatgaact aat 33

<210> 164
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 164
 aagattcaat gnaatcagtg acttgt 26

<210> 165
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 165
 ggtagatgtg ntattacaaa gatg 24

<210> 166
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 166
 aaaaaantta ttacccg 17

<210> 167
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 167
 gagctagact ctgtctcnaa a

21

<210> 168
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 168
 tctactaaan atacaaaaa

19

<210> 169
 <211> 15
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(15)
 <223> n = A,T,C or G

<400> 169
 atacaanaat tagcc

15

<210> 170
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 170
 aaatacaaat aganaacata caaaa

25

<210> 171
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 171
 taccttgang tgtgttctg

19

<210> 172
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 172
 gtggctcaca cntgcaatcc cagcac

26

<210> 173
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 173
 cccaggaagt cnaggctgca gtg

23

<210> 174
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 174
 gagccagact ctgtcttnaa aaa

23

<210> 175
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 175
 ctctatctct actaaanata caaaaattag

30

<210> 176
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(29)
 <223> n = A,T,C or G

<400> 176
 atacaaaaat tagcnggtgt ggtggtggg

29

<210> 177
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 177
 gaatgaactc cagcntgggt gacagagcc

29

<210> 178
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 178
 gactctaagg tgagcncctga ataaagccct

30

<210> 179
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 179
 gtatatgtga ttagtatngg gtaatacatt ccaaattg

37

<210> 180
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 180
 ggcaaaaaga gcgaaactct gtctcaaaaa aan

33

<210> 181

<211> 39
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 181
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<210> 182
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 182
 ccaagctccc tcatagntcc tcattctgct cag 33

<210> 183
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 183
 tttttctttt ttttttctga gacagttttt ttc 33

<210> 184
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 184
 agagactccg totcnaaaaa 20

<210> 185
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(35)

<223> n = A,T,C or G

<400> 185

ttttctgcag taatacntat taaaaattta gattc

35

<210> 186

<211> 33

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(33)

<223> n = A,T,C or G

<400> 186

cagaaccctc atagcatgng atcactgata aag

33

<210> 187

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 187

catcaacaag gttcttanag aattcctaag g

31

<210> 188

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 188

aaatgagaaa atctanaatg aatctctgt

29

<210> 189

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 189

tatcacttct tcagtnataa agttcttaa

29

<210> 190

<211> 40

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 190
 aacaggtatt taatattctt cacattncag taataaagac

40

<210> 191
 <211> 15
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 191
 ttttagagnt ttttt

15

<210> 192
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 192
 aagtgctggn atatacac

18

<210> 193
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 193
 cagtcctata tttcaaanga gcaaacagac a

31

<210> 194
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 194
 aaactatttt actaaanaga agtccccatt a 31

<210> 195
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 195
 aaactctatc ttnaaaaaaa aaaa 24

<210> 196
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 196
 tgttgtgcan agtaagagaa 20

<210> 197
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 197
 cctaacatta nttcaaaata a 21

<210> 198
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 198
 agtttttttna aattttttt 18

<210> 199
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 199
aaaaattana aaaattagc 19

<210> 200
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 200
aggctgaggn atgggaatc 19

<210> 201
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 201
aacaagcttn tctttaaac 19

<210> 202
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 202
tttttttttna gctctgattc 20

<210> 203
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 203
atgctagcna tgtaaaaaa 19

<210> 204
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 204
aaaaaaaacan aaggcact

18

<210> 205
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 205
gaagggtcan acaggaaag

19

<210> 206
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 206
ggagcaaaaa naaatgttta

20

<210> 207
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 207
atatattccn agaaatgcat

20

<210> 208
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(21)
<223> n = A,T,C or G

<400> 208
aatgcatca ntaggcaatt t
21

<210> 209
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 209
gacgaccttt tnaaaaaaaaa a
21

<210> 210
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 210
ttttaataac ntgtaaaatg cc
22

<210> 211
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 211
gctgctggnt gagaggt
17

<210> 212
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 212
gctttttaaa ntttttct
18

<210> 213

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<211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 213
 ctacaaagtn tatttaaggg 20

<210> 214
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 214
 ttttgcttca naggcctttcc tt 22

<210> 215
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 215
 taaactatat atangtgtgt gt 22

<210> 216
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 216
 tctgggagta ntggcacaca 20

<210> 217
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)

<223> n = A,T,C or G

<400> 217

accagtaatt atttataaat naaagtacta attgttt

37

<210> 218

<211> 36

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(36)

<223> n = A,T,C or G

<400> 218

agccgggaggt ggtggcagnt gcctgtaac ccagct

36

<210> 219

<211> 21

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(21)

<223> n = A,T,C or G

<400> 219

gttttgagan agtctcactc t

21

<210> 220

<211> 32

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 220

taattttaaa ggctctgntc cctgctcttt tc

32

<210> 221

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 221

acttccttcn ctccccaggg

20

<210> 222

<211> 20

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 222
 ctccaagggga nctctgctcc

20

<210> 223
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 223
 tggatggang gacgaac

17

<210> 224
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 224
 taggggaggn cattccag

18

<210> 225
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 225
 caaggggaag ngcattccag

20

<210> 226
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 226
gcagtgggnc aagtgtgg 18

<210> 227
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 227
gtttgttngt tttttgag 18

<210> 228
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 228
actgggatgn tcctaaactg 20

<210> 229
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 229
gacttttttna atagagat 18

<210> 230
<211> 20
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<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 230
caagacagtg nataaatagc 20

<210> 231
<211> 18
<212> DNA
<213> Homo sapiens

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 <223> n = A,T,C or G

<400> 231
 aaagaaaant cagaattt

18

<210> 232
 <211> 20
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<220>
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 <223> n = A,T,C or G

<400> 232
 cctccttccc cncttctctc

20

<210> 233
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<400> 233
 tcaaaagaga ncaatgatga

20

<210> 234
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 234
 aaagtactan tatgaaaat

19

<210> 235
 <211> 19
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 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 235
 tatatatana cacacatac

19

<210> 236
<211> 17
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<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 236
gaagaaanag tgcagtg 17

<210> 237
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 237
aaaatatgcn tcaggagtga 20

<210> 238
<211> 19
<212> DNA
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<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 238
aaaaaaaagnc caacagaaa 19

<210> 239
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 239
tttttttttn agggagagt 19

<210> 240
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
 <223> n = A,T,C or G

<400> 240
 ttctgttgct cnggctggag t

21

<210> 241
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 241
 aacttagaan tctcccagg

19

<210> 242
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 242
 aggaattgaa nttaataga

19

<210> 243
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 243
 cacttggtgnt gattaat

17

<210> 244
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 244
 gcaagaagcn caacaaacc

19

<210> 245

<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 245
agtctccaac nttttttt 17

<210> 246
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 246
ttaatatgat naaatgctca a 21

<210> 247
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 247
ccccacaaa gnccgagaag cct 23

<210> 248
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 248
aaaatcgaga tgaaggnttt gagcatttca gaga 34

<210> 249
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)

<223> n = A,T,C or G

<400> 249

ttgcagtgag ccnagatcac gtcact

26

<210> 250

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 250

tagagtttgt tcccnagagt ttgttccca

29

<210> 251

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 251

cttttagtttc atcttnccta ctgcca

26

<210> 252

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(19)

<223> n = A,T,C or G

<400> 252

ctggctccna attaataag

19

<210> 253

<211> 37

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(37)

<223> n = A,T,C or G

<400> 253

taaagtaaga atccctaagg ttnaaaaaaa aaaaaag

37

<210> 254

<211> 40

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 254
 ttactttctgc aggagctnta gggagatgaa ggaagaagcc 40

<210> 255
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 255
 ccctggaggg agagctgngg tgaaggaaat gacac 35

<210> 256
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 256
 agagttaagt aggggncctt accaaggagc at 32

<210> 257
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 257
 aggctttctg cctncttcac ttcccca 27

<210> 258
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 258
 ggtagggcta ctnttatattt atgggtt 26

 <210> 259
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 259
 cctgggtcact attanaccct gcaacggcg 29

 <210> 260
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 260
 agcacacggg gcanggtagg ctttctgcc 29

 <210> 261
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 261
 gggcgatcac ctncctgcg ttcggg 26

 <210> 262
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 262
 acaggctggg gccnggggcg ctgggc 26

 <210> 263
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(49)
<223> n = A,T,C or G

<400> 263
agacgtgctgc cccagccccg ccgaancgag gccacccgga gccgtgccc 49

<210> 264
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 264
ccactcggag tcgcgctnccg ccgcgcctca ctgcagcccc 40

<210> 265
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 265
aaaggatttg aattttgagn gaaaagtt 28

<210> 266
<211> 37
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 266
ctgcagtag tcctgtgggn tagatcttac taatgtc 37

<210> 267
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

<400> 267
ggaagaagtt cttacttccn tgtgggtgct ta 32

<210> 268
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 268
 acttcatatt tntcactgtg tccc

24

<210> 269
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 269
 ggtccctgag ctcccngaga caacatgcag aattactg

38

<210> 270
 <211> 34
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 270
 gtcagccac ccattnagta actgttctct gctg

34

<210> 271
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 271
 gagagagaaa agatgntcag aactccacct ggcac

35

<210> 272
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(24)
 <223> n = A,T,C or G

<400> 272
 tctccccgac tngcacatcc cagt

24

<210> 273
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 273
 cccagcact gtcgcctgt gctgtcagca gcactctccc

40

<210> 274
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 274
 acctgtggct tctgctgtnc cccagcactg tcgcc

35

<210> 275
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 275
 gcaggggttg tcgngggcg ctcgatgtct tgcaaactaa

40

<210> 276
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 276
 caggtctggc agngacccc acaggtcagt gggatgactc

40

<210> 277

<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 277
actccaggtg agctgntcca ggtctggc

28

<210> 278
<211> 39
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 278
ggccaggggt gcattttgng gtgctggttc tccttcctc

39

<210> 279
<211> 39
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(39)
<223> n = A,T,C or G

<400> 279
ccataggggg aggcaagcga cngggacact aggaaggca

39

<210> 280
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 280
ctgcagtaca gtgggggctg ntgagaggag ggaaggg

37

<210> 281
<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)

<223> n = A,T,C or G

<400> 281

gtgtgncaga gagacagaga gacagagaga gag

33

<210> 282

<211> 35

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(35)

<223> n = A,T,C or G

<400> 282

gcccagcatc tgagggntag ggggtgtaata cggca

35

<210> 283

<211> 40

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(40)

<223> n = A,T,C or G

<400> 283

aggtcaggag ttngagacca gcctgactaa catgggtgaaa

40

<210> 284

<211> 38

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(38)

<223> n = A,T,C or G

<400> 284

aatcagcctt taggatcngt taatatgatg atggcttt

38

<210> 285

<211> 38

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 285

ctgttgacac ctggctgntt gcattgtccc acaagtgc

38

<210> 286

<211> 29

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 286
 ggaaagccac catnggaagg gaaggcagg

29

<210> 287
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 287
 gccaaaggtg tgatactggc tnagaggagc tggctca

37

<210> 288
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 288
 atggagaaag cttgggggca ggnccaggga gcagg

35

<210> 289
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 289
 cacattgtga attagctacn gctgccatgc cttaagg

37

<210> 290
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 290
gggcagggcc agggngcagg gcggtaaa 28

<210> 291
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

<400> 291
cctgatgccca ccgtcccnta cctcatatac ac 32

<210> 292
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 292
ctgatgccac cgtcccctnc cctcatatac ccttctt 37

<210> 293
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 293
ttgccctcca tccangccat tccctgt 27

<210> 294
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 294
aagctggact tctgtnggcc cctcaac 27

<210> 295
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 295
 cacaaagaac taccccnttt tcagctgagc cc

32

<210> 296
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 296
 gtggggtcct tcggggcnat gctccctcag cctc

34

<210> 297
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 297
 tcatgtgtga acacatanga cgtgtgtaaa tatgta

36

<210> 298
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 298
 aaagtaaatt gtttataang ggtgtggcct ttttagaga

39

<210> 299
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 299
 gaacagggac atgcatctnt tataaaatcc tttcg

35

<210> 300
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 300
ttataaaatc ctttcggnca ggcgcggtgg ctcacacctg 40

<210> 301
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 301
tcacctgagg tcaggagttn gagaccagcc tgggtgaaa 38

<210> 302
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 302
actccagccc gggcaccnaa aaaa 24

<210> 303
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 303
tgaacccggg agatgnaggt tgcagtgagc t 31

<210> 304
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(37)
 <223> n = A,T,C or G

 <400> 304
 tccagcctgg gtgacaagag ngagactttg tctcaaa 37

 <210> 305
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <400> 305
 ttgtctcaaa aaaaaaaaaa tccttttg 28

 <210> 306
 <211> 33
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(33)
 <223> n = A,T,C or G

 <400> 306
 gaaggtgtgg atatgtgcnt ttctgtctc cct 33

 <210> 307
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 307
 gatgctgtgt gaggggcagg nggactcctg ctgggta 37

 <210> 308
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 308
 tgtggatatg tgcntttcct gtctccct 28

 <210> 309
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>


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<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 309
ctcagtccca gaaacctat gtactgtgac
30

<210> 310
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 310
ctcagtccca gaaaccatat gnactgtgac cccgctcact
40

<210> 311
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 311
tctctactaa aaaanaacta accaggcgtg gtgg
34

<210> 312
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 312
ggaacagagg natagacagg a
21

<210> 313
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 313
agactctgtc tcnaaaaa
18

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<210> 314
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 314
atcattctaa gganctgaca gtgcttctg

29

<210> 315
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 315
gaagctaata ngcaaaccat c

21

<210> 316
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 316
acctcaaagt ntggctggat a

21

<210> 317
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 317
gtaagacaca ngcctgcaga g

21

<210> 318
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)
 <223> n = A,T,C or G

<400> 318
 aagacaacct agtctnctgt tctgctttaa a 31

<210> 319
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 319
 tgagttctta cacagtggtn aaacaaaca 29

<210> 320
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 320
 tgcttgctn gttgggat 18

<210> 321
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 321
 cacgtattaa agccacctac natataccac cc 32

<210> 322
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 322
 gagggccaaa ggctttgtcc tgccnctcct gccct 35

<210> 323

<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 323
tctgatagtg gcnggaacat cctgact

27

<210> 324
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 324
tgtggggcctt tgcnttttt

19

<210> 325
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 325
gaccctgtgt tacatngtac ataacaatag ctata

35

<210> 326
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 326
ggcagggntg tctggcaagg gaccagtcc

29

<210> 327
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)

<223> n = A,T,C or G

<400> 327

acacttattn taactgtcac cctgggcccc t

31

<210> 328

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 328

gctattttct tcnttgatt ctgcagtgac cagg

34

<210> 329

<211> 28

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(28)

<223> n = A,T,C or G

<400> 329

ttgacaaaca cttattntaa ctgtcacc

28

<210> 330

<211> 31

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(31)

<223> n = A,T,C or G

<400> 330

cattcactgt gctgttcngg gctagagaag a

31

<210> 331

<211> 38

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(38)

<223> n = A,T,C or G

<400> 331

cactgctgct ctgcagtgac ncctgcttcc ccctaagt

38

<210> 332

<211> 38

<212> DNA
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<220>
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 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 332
 gtgaccctat tggatcttct cangccactg agggatat 38

<210> 333
 <211> 33
 <212> DNA
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<220>
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 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 333
 caagaggggaa tggagtcttt ngcagagggg ctg 33

<210> 334
 <211> 31
 <212> DNA
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<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 334
 cttctgcttc tgcttctgnc ccttctgcct c 31

<210> 335
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 335
 gagtgtgggtt tgagaagant ctgaggagtg ggac 34

<210> 336
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 336
 tttttaaaga ctagtcnctg ggcgcggt 28

 <210> 337
 <211> 36
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

 <400> 337
 gagaatggcg tgaacccggg aggnagagct tgcagt 36

 <210> 338
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 338
 aagcgagact ccatctcnaa aaaaaaaca aaaacaa 37

 <210> 339
 <211> 35
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(35)
 <223> n = A,T,C or G

 <400> 339
 gagcttgagc tgagctgana tcgcgccact gcact 35

 <210> 340
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 340
 gaagtgaaaa ccaaatacnaa gggctacaga 30

 <210> 341
 <211> 21
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 341
ttgcaaccct ngcaaaggta a 21

<210> 342
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 342
catacacaag aangagttcc atttactg 28

<210> 343
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 343
aaaacaaaca aacaaacaaa caaanacact gtcatgcc 38

<210> 344
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 344
ggcaaataat nacatggatc tc 22

<210> 345
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 345
agttggcagn ggggctgggt c 21

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<210> 346
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 346
aaactgtgat ttncagtttc attt 24

<210> 347
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 347
ccctcagagg gcnggtactg gact 24

<210> 348
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(36)
<223> n = A,T,C or G

<400> 348
cttcacatctt ccctgccaan gaagctggtg gtgccc 36

<210> 349
<211> 25
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 349
agccactact tgggcngctc agctc 25

<210> 350
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(31)
 <223> n = A,T,C or G

 <400> 350
 cacacttctc ccacnagaaa taaagcaagc a 31

 <210> 351
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 351
 agcaagcagc tgtnctctc ttgggccc 28

 <210> 352
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 <400> 352
 agcctgagcc tngcgcagcc cagac 25

 <210> 353
 <211> 29
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 353
 acacacacac acantttttt gagagagag 29

 <210> 354
 <211> 35
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 354
 atgtgtagtg tgtgagaang tgtgagaggt actcg 35

 <210> 355

<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 355
ttatgttcca ttgtacntat tcaccatatt tt

32

<210> 356
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 356
atccactcct cntgtcatgg acatctg

27

<210> 357
<211> 33
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<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 357
tctaaagaaa aagaaagcng tgaattcttg gac

33

<210> 358
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 358
gctctgtgcc aggcaggggn ctccgaggtg agtgt

35

<210> 359
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 359

ccaggcaggg ggctccgngg tgagtgtggc ct

32

<210> 360

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 360

agagaagggga actggcntgt gtggctgggc tgtg

34

<210> 361

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 361

gcaggctcag tggaaggaga gngtctcct tatg

34

<210> 362

<211> 32

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 362

atggggaact ctctanact gctggaggcg tg

32

<210> 363

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 363

agtcatggca ctanatggag cccaggg

27

<210> 364

<211> 27

<212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 364
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27

<210> 365
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 365
 gcattcccagc gccnggccag tgggtcc

26

<210> 366
 <211> 30
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 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 366
 gagtaagggg tcnaggaggg ggggggtggc

30

<210> 367
 <211> 26
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 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 367
 gaacatactc atanccatgc ttcccc

26

<210> 368
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 368
 tacacttatg gtttgtgcnt ttttttt 27

 <210> 369
 <211> 24
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 <220>
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 <223> n = A,T,C or G

 <400> 369
 tatggtttgt gcnttttttt tttt 24

 <210> 370
 <211> 31
 <212> DNA
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 <220>
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 <400> 370
 gcaggggtggg gagaangcca gactcagggt g 31

 <210> 371
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <400> 371
 ggcccagccc ccccnggaa gtggat 26

 <210> 372
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
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 <400> 372
 gtaaaaaaaa anccctacag gtaaaag 27

 <210> 373
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 373
 ccccatgtg ccangtcacc tcccttgtc

29

<210> 374
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 374
 cccagcagga aacanatgca ca

22

<210> 375
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 375
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26

<210> 376
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 376
 gcccggcaga gtcaccnggg ctggcc

26

<210> 377
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 377
 aaatggggcc aggnngcgtg gctca

25

<210> 378
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 378
 cctgtcttaa aaaaaaann ngctgggtgt ggtg 34

<210> 379
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 379
 aattgcttga acccnggagg cagaggtt 28

<210> 380
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 380
 ccaaccaacc anccaaatgg tattaactct c 31

<210> 381
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 381
 cacttacctt gcccgcccc accc 24

<210> 382
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(27)
 <223> n = A,T,C or G

 <400> 382
 tccttccttg aacctntgtg gatttct 27

 <210> 383
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 383
 tgggtcaacag tcccanctga gcccagcc 28

 <210> 384
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 384
 cttgaggtgc ctentaagag gtccaatga 29

 <210> 385
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 385
 ttattccagt cacctngagt cattccagtc 30

 <210> 386
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 386
 aggggaagaag aagaancaag aggaagagga 30

 <210> 387

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<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 387
gaaagccaaa attaaaaaaa aantcaacag aa 32

<210> 388
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 388
agtcaggctg tctcggcngc taaaagaggc 30

<210> 389
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 389
tgcttggtgg ggctcnagcg ttaccgccg 29

<210> 390
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 390
ttcaccatt gttctcncta ttcccttt 28

<210> 391
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 391
acttacctgc tgaaatgcac tgnttttttt tt 32

<210> 392
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 392
taatgacatt cccttgtag aatgtgcca tgtgga 36

<210> 393
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 393
gatcacatta nttgcctgag tt 22

<210> 394
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 394
ttgcctgagt tcncaagttg gttaagaga 29

<210> 395
<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 395
tctcatcaat aaatatttat nnncttcac att 33

<210> 396
<211> 25

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(25)
<223> n = A,T,C or G

<400> 396
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<210> 397
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 397
aaaaaaaaaa ngccctagac cctctg                26

<210> 398
<211> 27
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<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 398
ttgggaggct gaggcngaag aatcgct              27

<210> 399
<211> 25
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(25)
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<400> 399
agattgtgcc actgngcttc agtct                25

<210> 400
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<212> DNA
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<222> (1)...(28)
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<400> 400
 gggagacccg gagggagnta ggggaagtg 28

 <210> 401
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 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 401
 caacagcctg gcagngaggg cctgtct 27

 <210> 402
 <211> 33
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 <220>
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 <223> n = A,T,C or G

 <400> 402
 actagaggggt tttttanaga gaagtgacat gat 33

 <210> 403
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 403
 taaggaatac gggttttgnac gtaagtgtga gatgcct 37

 <210> 404
 <211> 27
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 <213> Homo sapiens

 <220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 404
 caggtggaan tgtgaatctg gggagag 27

 <210> 405
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 405
 aagactctgt ctcnaaaaa

19

<210> 406
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 406
 cccagaatag agaccacntc catcctccct t

31

<210> 407
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 407
 gaacttagat ttgcgnccct tagcattcaa c

31

<210> 408
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 408
 caatgcatga tcctntctga gcctcagc

28

<210> 409
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 409
 ttgatactca gtangtacag cttatt

26

<210> 410
<211> 23
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<213> Homo sapiens

<220>
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<400> 410
caggcaacaa antctccctc cct

23

<210> 411
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 411
ccttgcttca antgcttcag tctatc

26

<210> 412
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 412
ccaaaggctc caggctctgg c

21

<210> 413
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 413
ccattccctg agcncagggt gcctttct

28

<210> 414
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(31)
 <223> n = A,T,C or G

 <400> 414
 ggccaggctg gtctcngtct agactcaagt g 31

 <210> 415
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 415
 tgtttgagac agggctcttgn tctgtcgtcc aggatgg 37

 <210> 416
 <211> 18
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 416
 atgccagct antttttt 18

 <210> 417
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 417
 ccaccgcacc cggccanttt tatttgtttt taaa 34

 <210> 418
 <211> 34
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 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 418
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 <210> 419

<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 419
tttttttttt nctgagacag agtctcgct 29

<210> 420
<211> 20
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 420
caattgactt ccctnaaaaa 20

<210> 421
<211> 31
<212> DNA
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 421
aagggtgtgc ctagngcaca cactccctcc c 31

<210> 422
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 422
aataaagtga ttacttnaaa aaaaaaaaa 28

<210> 423
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)

<223> n = A,T,C or G

<400> 423

gagggcctga cagnttgaag gggttg

26

<210> 424

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 424

cctctgggggt ntttccaaat ca

22

<210> 425

<211> 30

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(30)

<223> n = A,T,C or G

<400> 425

ttgccagaac acngggtcag agagcaagag

30

<210> 426

<211> 31

<212> DNA

<213> Homo sapiens

<400> 426

agagtgaagac tctgtctcaa aaaaaaaaaa a

31

<210> 427

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 427

cttcatatct acttngaaaa ccatat

26

<210> 428

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(19)
 <223> n = A,T,C or G

 <400> 428
 gagactctgt ctcnaaaaaa 19

 <210> 429
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 429
 aaaaaaaaaa angaacctct gtcgta 26

 <210> 430
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 430
 acttccagat taatangtct taaccat 28

 <210> 431
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 431
 tgctgtagct ccatttgagn agggacctt 29

 <210> 432
 <211> 19
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

 <400> 432
 atgatttgcn tcaaagcag 19

 <210> 433

<211> 30
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<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 433
tcagtaccac atctgtnttt ccatgctctt 30

<210> 434
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 434
acagaggtaa aagtgttttg aaagcnaaaa a 31

<210> 435
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 435
ctagcctang gtctaggccc 20

<210> 436
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 436
ggtctaggen ctctgcctg 20

<210> 437
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(23)

<223> n = A,T,C or G
 <400> 437
 ggaatcatta cntatcacaa tca 23
 <210> 438
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 <222> (1)...(26)
 <223> n = A,T,C or G
 <400> 438
 accatggatg cntagctgag ttcttg 26
 <210> 439
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 <222> (1)...(27)
 <223> n = A,T,C or G
 <400> 439
 acagttgtcc ctnagcatct tcgagga 27
 <210> 440
 <211> 40
 <212> DNA
 <213> Homo sapiens
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 <222> (1)...(40)
 <223> n = A,T,C or G
 <400> 440
 gagacttcat ctnaaaaaca aaaaacaaac aaacaaaaaa 40
 <210> 441
 <211> 29
 <212> DNA
 <213> Homo sapiens
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 <222> (1)...(29)
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 <400> 441
 aaactctcac cacnactgaa atctggta 29
 <210> 442
 <211> 27

<212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 442
 ccctggggct ctantatttg gtgttac

27

<210> 443
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 443
 gaaagatata naaattaaat taaa

24

<210> 444
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 444
 aaaaantcat accaattagt ctcacttaaa

30

<210> 445
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 445
 catcctgcan cccagcttc

20

<210> 446
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 446
 cagaacaaat tagagaaaaa ctcngtcag gctctccac 39

 <210> 447
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 447
 acaacaacgg gtanatatatt taggtctc 28

 <210> 448
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

 <400> 448
 attattagtc naataatcac c 21

 <210> 449
 <211> 22
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(22)
 <223> n = A,T,C or G

 <400> 449
 aaggcgggggt ncagtggctc ac 22

 <210> 450
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 450
 ctgaggcagg tggatcatnt gaggtcagg 29

 <210> 451
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 451
 tggaagagac atgcatncaa accatatc 28

 <210> 452
 <211> 22
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 452
 tttttttttt tnccgtgaac ag 22

 <210> 453
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 453
 acaggcgcgc ncacacacac acacaca 27

 <210> 454
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 454
 taaaaattat tcgngagaat tttagaa 27

 <210> 455
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 455
 ccaagtacct tggncgtgac tgagagatga 30

<210> 456
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 456
acaaacaaac aancaaacct tatt

24

<210> 457
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 457
aaatatagnc aaaatact

18

<210> 458
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 458
tcctggccaa cntggtgaaa cccc

24

<210> 459
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 459
ggaaaaaaaaa ancacacatg at

22

<210> 460
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
 <223> n = A,T,C or G

<400> 460
 ataaaaaaaa angattttatt atgt 24

<210> 461
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 461
 agtttcngtt tagaaag 17

<210> 462
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 462
 acttaagaga ntcaaataat ttt 23

<210> 463
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 463
 ttttaaaact tntaaaggaa t 21

<210> 464
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 464
 tgtttctttt tttctttctt ntttttttag acggag 36

<210> 465

<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 465
tggggccaaa aatctcntct gacttccagt g

31

<210> 466
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 466
tcccaaggctc acatngttac tatgtatgtt

30

<210> 467
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 467
gaagcaagac tgtcnggaac actggactc

29

<210> 468
<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 468
aaccatctgt ttgtgtcntg aggtctcttg tat

33

<210> 469
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)

<223> n = A,T,C or G

<400> 469
tgatgatcac gcaacncagc tgaagaatga t 31

<210> 470
<211> 39
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(39)
<223> n = A,T,C or G

<400> 470
ccatcctaaa tactacaaga tgcntttgac gctataaga 39

<210> 471
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 471
aaagtcaaaa aatcnaaagg agatgagca 29

<210> 472
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 472
ttctgggaaa aggaagtcnt tttttttttt t 31

<210> 473
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 473
taatctctgc ctcccaggnt caagtgattc ttct 34

<210> 474
<211> 33

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 474
 gtatttttag tagagacngg gtttccttat gtt 33

<210> 475
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 475
 tcaccagcaa cctgttntga gtgaatcatc 30

<210> 476
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 476
 aaaaagtttt ttttttttnc taccaaattgt acag 34

<210> 477
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 477
 attacattat aatttacang catgatctaa t 31

<210> 478
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 478
ccaagaaaga ggntgtcatg gggtaa 26

<210> 479
<211> 25
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(25)
<223> n = A,T,C or G

<400> 479
gtggaggctg anagtaggcg agttt 25

<210> 480
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 480
tgctccaag aaagaggntg tcatggggta aacc 34

<210> 481
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 481
tcctttcatt ttagcctgaa agactccctt tagcantttt 40

<210> 482
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 482
tgccatgttg gtntgctgca ccc 23

<210> 483
<211> 36
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 483
 tatttttttt tttttaagta cnttaagttc tagggt 36

<210> 484
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 484
 gttctagatc cntgaggaat c 21

<210> 485
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 485
 ttccacaatg gtngaactag ttt 23

<210> 486
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 486
 gttcatatac ttntcccctg ttt 23

<210> 487
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 487
 tttgctgaag ttgnttatca acttaa 26

<210> 488
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 488
atatgatgca ttacntttat cgatttg 27

<210> 489
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 489
ccttgtcttg tgcnggtttt caa 23

<210> 490
<211> 16
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(16)
<223> n = A,T,C or G

<400> 490
ttattgccnc aatttc 16

<210> 491
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 491
ttggttgata ngctattaat ta 22

<210> 492
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(20)	
<223> n = A,T,C or G	
<400> 492	
tgttgatttt ngatgtttcc	20
<210> 493	
<211> 25	
<212> DNA	
<213> Homo sapiens	
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<221> misc_feature	
<222> (1)...(25)	
<223> n = A,T,C or G	
<400> 493	
actgctttga atgngtccca gattc	25
<210> 494	
<211> 28	
<212> DNA	
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<221> misc_feature	
<222> (1)...(28)	
<223> n = A,T,C or G	
<400> 494	
ttgtgtcttt gttctcnttg gtttcaaa	28
<210> 495	
<211> 21	
<212> DNA	
<213> Homo sapiens	
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<221> misc_feature	
<222> (1)...(21)	
<223> n = A,T,C or G	
<400> 495	
gcgggttttga ntgagtttct t	21
<210> 496	
<211> 21	
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<400> 496	
tttttttttgn tttccatttg c	21
<210> 497	

<211> 16
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 497
cccctgcntt tttttg 16

<210> 498
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 498
tttatgaatc tgggngctcc tgtatt 26

<210> 499
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 499
ttcaggagct cttntaaggc agg 23

<210> 500
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 500
ggcctggngg tgacaaaa 18

<210> 501
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)

<223> n = A,T,C or G

<400> 501

attttatttc nccttcactt at

22

<210> 502

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 502

cagagagatc cnctgttagt ctga

24

<210> 503

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 503

agagtatctt tntggtgttc tctg

24

<210> 504

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 504

atttcctgaa nttgaatgtt ggcc

24

<210> 505

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 505

gtctaactag tcccancgag atgagccggg t

31

<210> 506

<211> 26

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 506
 cagtagacga acnatgcaaa atacca 26

<210> 507
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 507
 tcctggggct ttnacgtttt tagtg 25

<210> 508
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 508
 cagagataag aantagtttc caagaa 26

<210> 509
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 509
 acaggcttng acagaggact tgga 24

<210> 510
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 510
tcactaaatt ctagaaanaa agattctagg cagt 34

<210> 511
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 511
taggcagttg ctgntattta aaaaatcat 29

<210> 512
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 512
caggactaaa gtganctact ctgaaaga 28

<210> 513
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 513
tttttgga caacacaatga cactncactt agagaagtgc 40

<210> 514
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 514
acaaacaaat aaacantaaa acaaaaccca ca 32

<210> 515
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 515
 cagagtgtgatt ctgtgtttna aaaaaaaaa

28

<210> 516
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 516
 acagcaaagg cctttnactg aaggactc

28

<210> 517
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 517
 aggggcggtt gcagnagaag agctgggcc

29

<210> 518
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 518
 gggtataata attttncgtt catcagacct c

31

<210> 519
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 519
 tgtgggggaa gggncatatag ccaagat

27

<210> 520
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 520
gcactttcct caanctggag accaccag 28

<210> 521
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 521
ggccatcaga atctcnagtt gatcttctaa 30

<210> 522
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 522
tcctgctaag gntctgtgag gccc 24

<210> 523
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 523
catctagggg gtangttcca tgaggg 26

<210> 524
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(32)
 <223> n = A,T,C or G

 <400> 524
 cgggtacttgt ggagcanaga ggtggctccc aa 32

 <210> 525
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 525
 taaccaccca ggctccagan gtcgcctaga atcccag 37

 <210> 526
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

 <400> 526
 agatctggag agattcccca cnagagtcca tatttccc 38

 <210> 527
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 527
 cagagacttt gtctgagnaa aaaaaaaga aaaa 34

 <210> 528
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 528
 gaaaaaaagg aaaaanatta gcatgttta 29

 <210> 529

<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 529
gctatcaata tcaaggcact tgagngctct atggatat 38

<210> 530
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 530
aaaaagaaaa anaaagaaaa 20

<210> 531
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 531
aaaaattagc caagtgnngt ggcaggcac 29

<210> 532
<211> 29
<212> DNA
<213> Homo sapiens

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<222> (1)...(29)
<223> n = A,T,C or G

<400> 532
gcacatgggg cacanggtca cactcacca 29

<210> 533
<211> 29
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<400> 533

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29

<210> 534

<211> 38

<212> DNA

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<400> 534

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38

<210> 535

<211> 19

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 535

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19

<210> 536

<211> 29

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 536

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29

<210> 537

<211> 34

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 537

gagtcctagt aaattgacna ccaagtacta agac

34

<210> 538

<211> 33

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<212> DNA
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<400> 538
cctagtaa at tgactancaa gtactaagac caa
33

<210> 539
<211> 32
<212> DNA
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<220>
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<400> 539
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32

<210> 540
<211> 29
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29

<210> 541
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<220>
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taaagagaaa gaancatttg tcctgatt
28

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<400> 542
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<400> 543
ggaatgtgct gaantgcatc atcagtgt 28

<210> 544
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<220>
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<223> n = A,T,C or G

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taagaggtag tatcangtac aaaagtattc t 31

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<400> 545
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<210> 547
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<400> 547
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<210> 548
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<223> n = A,T,C or G

<400> 548
tgtgaaacct tgggnaagtt atttaa 26

<210> 549
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<223> n = A,T,C or G

<400> 549
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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 550
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<210> 551
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<212> DNA
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<220>
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<400> 551
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<210> 552
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 552
agttaaaagc tttanaatta taaaaat

27

<210> 553
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 553
ttacctagtc aaccggntca cagatacatt ca

32

<210> 554
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<220>
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<400> 554
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37

<210> 555
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<400> 555
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32

<210> 556
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<400> 556
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<210> 557
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<400> 557
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<211> 26
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 558
cctgctctgc tcnggttccc accctg 26

<210> 559
<211> 30
<212> DNA
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<223> n = A,T,C or G

<400> 559
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<210> 560
<211> 31
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<223> n = A,T,C or G

<400> 560
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<210> 561

<211> 26
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<400> 561
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26

<210> 562
 <211> 30
 <212> DNA
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<400> 562
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30

<210> 563
 <211> 31
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<220>
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<400> 563
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31

<210> 564
 <211> 29
 <212> DNA
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<220>
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<400> 564
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29

<210> 565
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<223> n = A,T,C or G

<400> 565

tgccccctgt atngaagaga ggc

23

<210> 566

<211> 24

<212> DNA

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 566

tttttttttt nggctccctg accc

24

<210> 567

<211> 23

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(23)

<223> n = A,T,C or G

<400> 567

ccaccagcct ggntaatttt tgt

23

<210> 568

<211> 22

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(22)

<223> n = A,T,C or G

<400> 568

gaggttcaag ntccaggtct ct

22

<210> 569

<211> 24

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 569

tgagggtct cncatcttct aaga

24

<210> 570

<211> 24

<212> DNA
<213> Homo sapiens

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<400> 570
aggacaatgg gnagggagtg ggag 24

<210> 571
<211> 27
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<400> 571
attacaggca cccnccacca cgcaggg 27

<210> 572
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<212> DNA
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<223> n = A,T,C or G

<400> 572
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<210> 573
<211> 22
<212> DNA
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<223> n = A,T,C or G

<400> 573
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<210> 574
<211> 20
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<223> n = A,T,C or G

<400> 574
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 <210> 575
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 <400> 575
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 <210> 576
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 <212> DNA
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 <223> n = A,T,C or G

 <400> 576
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 <210> 577
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 <223> n = A,T,C or G

 <400> 577
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 <210> 578
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 <223> n = A,T,C or G

 <400> 578
 ggctcagcac caacanccag cagggctt 28

 <210> 579
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<400> 579
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26

<210> 580
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<400> 580
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<210> 581
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<400> 581
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<210> 582
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<400> 582
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28

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<400> 583
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28

<210> 584
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<400> 584
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<210> 585
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 <223> n = A,T,C or G

<400> 585
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<210> 586
 <211> 33
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 586
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<210> 587
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 587
 cccaactaga gtaantcctg gacacacag 29

<210> 588
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(27)
 <223> n = A,T,C or G

 <400> 588
 tggccatcag gangggaggc cagactg 27

 <210> 589
 <211> 25
 <212> DNA
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 <400> 589
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 <210> 590
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 <400> 590
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 <210> 591
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 <212> DNA
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 <400> 591
 ttctagtagc cntattaata aaatt 25

 <210> 592
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 <223> n = A,T,C or G

 <400> 592
 gaggctggga gctntgactt ttcatt 26

 <210> 593

<211> 24
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<222> (1)...(24)
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<400> 593
tcagaagcta actggnaaaa aaaa 24

<210> 594
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<223> n = A,T,C or G

<400> 594
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<210> 595
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<220>
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<210> 596
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<400> 596
tgaaattaac tttantggta tatttaa 27

<210> 597
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<212> DNA
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<220>
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<222> (1)...(25)

<223> n = A,T,C or G

<400> 597

atataatgtg ttgngtaaag aatat

25

<210> 598

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<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 598

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27

<210> 599

<211> 27

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 599

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27

<210> 600

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<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 600

tgcanttttt ttt

13

<210> 601

<211> 13

<212> DNA

<213> Homo sapiens

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<400> 601

gctanttttt ttg

13

<210> 602

<211> 21

<212> DNA
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 602
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<210> 603
<211> 21
<212> DNA
<213> Homo sapiens

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<222> (1)...(21)
<223> n = A,T,C or G

<400> 603
ggctgaggag ggnggatcac c 21

<210> 604
<211> 20
<212> DNA
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<223> n = A,T,C or G

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aagactccgt ctcnaaaaaa 20

<210> 605
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ttcagagcnt ctgtccag 18

<210> 606
<211> 28
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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 606
ttcaagtgat tctnctgtct cagcctcc 28

<210> 607
<211> 32
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<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 607
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<210> 608
<211> 19
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<220>
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<223> n = A,T,C or G

<400> 608
ccccacaatt nggcttcaa 19

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<211> 18
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<220>
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<223> n = A,T,C or G

<400> 609
gtagtagaaa ngtaaatt 18

<210> 610
<211> 30
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<223> n = A,T,C or G

<400> 610
tatgtacaag tatctntttg agtacttgct 30

<210> 611
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<213> Homo sapiens

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<220>
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<400> 611
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<210> 612
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<223> n = A,T,C or G

<400> 612
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<210> 613
<211> 35
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<223> n = A,T,C or G

<400> 613
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<210> 614
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<400> 614
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<210> 615
<211> 40
<212> DNA
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<400> 615
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<210> 616
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<212> DNA
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<400> 616
ccccttatcc acagnttttt tttttt

26

<210> 617
<211> 33
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<400> 617
tctccatgtc accgcantca catttgtgtg tgg

33

<210> 618
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<400> 618
tcattagcct ggcttncatt ctcttctgaa c

31

<210> 619
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25

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<400> 620
cactactcat cttcntgagc acaaaaag 27

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<400> 621
aatgagtag ccttcntttg agagacagag 30

<210> 622
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<212> DNA
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<223> n = A,T,C or G

<400> 622
gatcatctca aggttcncaa aatcaagct 29

<210> 623
<211> 26
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<223> n = A,T,C or G

<400> 623
gatgcaagaa nttttttttt tttttt 26

<210> 624
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<212> DNA
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<400> 624
acaggcatcc accacntgc cctggaatt tt 32

<210> 625

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<211> 30
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<400> 625
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<210> 626
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<400> 626
 ccaatgcgcc tggccntttt tt

22

<210> 627
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<400> 627
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32

<210> 628
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<400> 628
 gccttccaaa gtgcnaggat tacaggt

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<223> n = A,T,C or G

<400> 629

cattcttgca ttantataaa gaaatac

27

<210> 630

<211> 28

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<400> 630

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<210> 631

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<400> 631

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<210> 632

<211> 21

<212> DNA

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<223> n = A,T,C or G

<400> 632

cctggctctc tnttagttat t

21

<210> 633

<211> 27

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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 633

gccttcactt tccanatcac catcagc

27

<210> 634

<211> 31

<212> DNA
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<223> n = A,T,C or G

<400> 634
tgccaagtac tattntaact tctgagaata c 31

<210> 635
<211> 26
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 635
gaaaaatgaa gcnggagaaa aatgaa 26

<210> 636
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<223> n = A,T,C or G

<400> 636
tgtctacatg cnagacaatc a 21

<210> 637
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<223> n = A,T,C or G

<400> 637
ctttgggagg cngaggcagg caga 24

<210> 638
<211> 39
<212> DNA
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<400> 638
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<223> n = A,T,C or G

<400> 639
acagagcgcgag actccgtctc naaaaaaaaaa 30

<210> 640
<211> 30
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<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 640
ttgtaaggac ttgggntttc aaaaaatctg 30

<210> 641
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 641
tatagaccat tgnaaggact tggg 24

<210> 642
<211> 22
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<220>
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<223> n = A,T,C or G

<400> 642
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<210> 643
<211> 29
<212> DNA
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<220>
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 <223> n = A,T,C or G

 <400> 643
 ggatgtggag tacnagagga agagcagcc 29

 <210> 644
 <211> 34
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 <223> n = A,T,C or G

 <400> 644
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 <210> 645
 <211> 35
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 645
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 <210> 646
 <211> 23
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 646
 tagcaagaag tnggagggag gtt 23

 <210> 647
 <211> 19
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

 <400> 647
 gtctcatgtn atccccacc 19

<210> 648
<211> 24
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 648
tctatttatc ttnaatttcc tatt

24

<210> 649
<211> 29
<212> DNA
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<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 649
atggaattgt tatcntccct ctttacaga

29

<210> 650
<211> 25
<212> DNA
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<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 650
tgtgtgtgtn gtgtgtgtgt ttgtg

25

<210> 651
<211> 21
<212> DNA
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<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 651
cctggaaaaa ngggacactc c

21

<210> 652
<211> 21
<212> DNA
<213> Homo sapiens

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<222> (1)...(21)
 <223> n = A,T,C or G

<400> 652
 ttagcaaatg gnacaccagg a

21

<210> 653
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 653
 tcgacagatc cnatgtccat gga

23

<210> 654
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 654
 atttgctgtt cngcaatatt tgct

24

<210> 655
 <211> 27
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 <213> Homo sapiens

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<400> 655
 tgcagctgag ggnccctcact ggtagaa

27

<210> 656
 <211> 22
 <212> DNA
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 <223> n = A,T,C or G

<400> 656
 taactcaaga anattagaga aa

22

<210> 657

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<211> 18
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 657
aaaacactcn tcaggata 18

<210> 658
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 658
ttcttaaaga aaanaatttt caaccca 27

<210> 659
<211> 32
<212> DNA
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<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 659
gattttgtca ccacnaggcc tgcctaaaa ga 32

<210> 660
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 660
ccctacaagc cngaagagag 20

<210> 661
<211> 28
<212> DNA
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<223> n = A,T,C or G

<400> 661

tttaaagtga aatgggntaa atgctcca

28

<210> 662

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 662

caaagacaca acntgccaga atct

24

<210> 663

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 663

ccaataacag gntctgaaat tg

22

<210> 664

<211> 24

<212> DNA

<213> Homo sapiens

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 664

ttttgtatct acnggcaaaa tata

24

<210> 665

<211> 26

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 665

aatatctcat tagtnataat gagccc

26

<210> 666

<211> 20

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<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 666
cttggatggt ngaatggcat                                20

<210> 667
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 667
ggttgagtggt gacantacag ggtaaaaaa                    28

<210> 668
<211> 35
<212> DNA
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<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 668
tttctggata ggaatnctgc atataatcat ttggt              35

<210> 669
<211> 33
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 669
tttgtatcct ttgtaagaaa cngctagtggt cca               33

<210> 670
<211> 35
<212> DNA
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<400> 670
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 <210> 671
 <211> 24
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 <223> n = A,T,C or G

 <400> 671
 gatgtgtttt ttttntggag acgg 24

 <210> 672
 <211> 30
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 <223> n = A,T,C or G

 <400> 672
 aatttttgta ttttntagta gagatggggt 30

 <210> 673
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 <213> Homo sapiens

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 <400> 673
 gcccagtctg gagtgcngtg gcatgatgtt gg 32

 <210> 674
 <211> 29
 <212> DNA
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 <400> 674
 ttggctcact gcaanctcca cctcccggg 29

 <210> 675
 <211> 35
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<220>
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<223> n = A,T,C or G

<400> 675
caacctctgc ctctgggtn gcagttctcc tgcct
35

<210> 676
<211> 16
<212> DNA
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<223> n = A,T,C or G

<400> 676
aaaaaaanca actaag
16

<210> 677
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<212> DNA
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 677
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19

<210> 678
<211> 20
<212> DNA
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 678
aaatgggggn tgggaggaca
20

<210> 679
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 679
cagattaaan cagtaaatt
19

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<210> 680
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<400> 680
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18

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 <212> DNA
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<400> 681
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20

<210> 682
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<400> 682
 cttccattgc naagagtttg c

21

<210> 683
 <211> 21
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 <223> n = A,T,C or G

<400> 683
 taattttctta ngcctgtctt t

21

<210> 684
 <211> 17
 <212> DNA
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<222> (1)...(17)
 <223> n = A,T,C or G

<400> 684
 aacatgccnc tgaaaca

17

<210> 685
 <211> 19
 <212> DNA
 <213> Homo sapiens

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<400> 685
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19

<210> 686
 <211> 18
 <212> DNA
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<400> 686
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18

<210> 687
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 <223> n = A,T,C or G

<400> 687
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18

<210> 688
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<400> 688
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<210> 689

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 <223> n = A,T,C or G

<400> 689
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18

<210> 690
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18

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<223> n = A,T,C or G

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19

<210> 694

<211> 30

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 694

gagtgggaact ctcacngccc agatttcctc

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<210> 695

<211> 30

<212> DNA

<213> Homo sapiens

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<222> (1)...(30)

<223> n = A,T,C or G

<400> 695

atcttctctc tctcttnttt tctctttcct

30

<210> 696

<211> 19

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(19)

<223> n = A,T,C or G

<400> 696

aggagtagnt tagatagaa

19

<210> 697

<211> 17

<212> DNA

<213> Homo sapiens

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<222> (1)...(17)

<223> n = A,T,C or G

<400> 697

agtagcacna ctaccca

17

<210> 698

<211> 30

<212> DNA
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<400> 698
cccatgaagg caccaantca actgcccagt 30

<210> 699
<211> 29
<212> DNA
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<223> n = A,T,C or G

<400> 699
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<210> 700
<211> 19
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<223> n = A,T,C or G

<400> 700
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<210> 701
<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 701
cgtaagccan tgcgccca 18

<210> 702
<211> 25
<212> DNA
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<400> 702
 aaataactgta ccctgtgacn ttttt 25

 <210> 703
 <211> 18
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 <220>
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 <223> n = A,T,C or G

 <400> 703
 cacttattan ttaccata 18

 <210> 704
 <211> 18
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 tgcattgcaan tctcactt 18

 <210> 705
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 <400> 705
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 <400> 706
 cacatttata tatgcntgtg tgtg 24

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30

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30

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<400> 710
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38

<210> 711
 <211> 28
 <212> DNA
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<400> 711
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28


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<210> 712
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<210> 713
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<210> 714
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<210> 715
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<222> (1)...(29)
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 <400> 716
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 <210> 717
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 <400> 717
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 <210> 721

<211> 17
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<210> 722
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<210> 723
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<210> 726

<211> 16

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<400> 726

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16

<210> 727

<211> 17

<212> DNA

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17

<210> 728

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<223> n = A,T,C or G

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24

<210> 729

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<210> 730

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<210> 731
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<210> 732
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16

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<400> 733
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<210> 734
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<400> 734
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<210> 736
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<212> DNA
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<220>
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<223> n = A,T,C or G

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<210> 737
<211> 38
<212> DNA
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<220>
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<400> 737
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<210> 738
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<400> 738
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<220>
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37

<210> 740
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<212> DNA
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33

<210> 741
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<400> 741
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33

<210> 742
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<212> DNA
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<223> n = A,T,C or G

<400> 742
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32

<210> 743
<211> 36
<212> DNA
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<400> 743
gtccacgggc ctgcctgntt gccagacggg gctcca
36

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<210> 744
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<223> n = A,T,C or G

<400> 744
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33

<210> 745
<211> 34
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<400> 745
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34

<210> 746
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<400> 746
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31

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<212> DNA
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<400> 747
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34

<210> 748
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 748
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<223> n = A,T,C or G

<400> 749
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<210> 750
<211> 27
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<222> (1)...(27)
<223> n = A,T,C or G

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aaaaaaaaaa aaanttgttt aatcatt                27

<210> 751
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<223> n = A,T,C or G

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<210> 752
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<400> 752
aaatatcagt ggagcntctg acacattaca ggcc        34

<210> 753

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<211> 40
<212> DNA
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<222> (1)...(40)
<223> n = A,T,C or G

<400> 753
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<210> 754
<211> 36
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 754
tatatatata tatatntatt tcacggtttg ggtcta 36

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<211> 22
<212> DNA
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<223> n = A,T,C or G

<400> 755
caacaacnta tatatatata ta 22

<210> 756
<211> 31
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<223> n = A,T,C or G

<400> 756
tccacttggt aaggnccttct ggaatttctt t 31

<210> 757
<211> 32
<212> DNA
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<223> n = A,T,C or G

<400> 757

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32

<210> 758

<211> 35

<212> DNA

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<223> n = A,T,C or G

<400> 758

caatattgtc atcanacttt taaaagcatg acttc

35

<210> 759

<211> 35

<212> DNA

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<223> n = A,T,C or G

<400> 759

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<223> n = A,T,C or G

<400> 760

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33

<210> 761

<211> 40

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 761

tttatccatt tttaaactcan gttgtctttt tattgctgag

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<210> 762

<211> 37

<212> DNA
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<400> 762
tctggaagtt gccgcctgna cctgccctcc agtcttg 37

<210> 763
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<223> n = A,T,C or G

<400> 763
gaagttcccn gtttagcaggg 20

<210> 764
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<400> 764
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<210> 765
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taaaataaaa taaaanaaaa cgaaaaataa ttt 33

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<400> 766
gggcagggag tggnaagca ctagag 26

<210> 767
<211> 30
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<400> 767
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<210> 768
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<400> 769
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<400> 770
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<223> n = A,T,C or G

<400> 771
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<210> 772
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<222> (1)...(24)
<223> n = A,T,C or G

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<210> 773
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 773
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<210> 774
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<222> (1)...(18)
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<400> 774
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<223> n = A,T,C or G

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<223> n = A,T,C or G

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<210> 777
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<223> n = A,T,C or G

<400> 777
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19

<210> 778
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<223> n = A,T,C or G

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ctagaacaaa aangtaagaa aaaa

24

<210> 779
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<222> (1)...(22)
<223> n = A,T,C or G

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<223> n = A,T,C or G

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<223> n = A,T,C or G

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<210> 783
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<210> 784
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<210> 785

<211> 34
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<223> n = A,T,C or G

<400> 786
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<210> 787
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 787
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<210> 788
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<223> n = A,T,C or G

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16

<210> 790

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16

<210> 791

<211> 16

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<222> (1)...(16)

<223> n = A,T,C or G

<400> 791

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16

<210> 792

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15

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17

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<400> 797
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17

<210> 798
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<223> n = A,T,C or G

<400> 798
agggaccna atagttt 17

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<223> n = A,T,C or G

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<210> 800
<211> 18
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<400> 800
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21

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<400> 884
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<210> 886

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<210> 887

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<210> 889

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14

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14

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<400> 897
cttctaggan catttcag 18

<210> 898
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<212> DNA
<213> Homo sapiens

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<400> 898
tgcagaatnc agtggagc 18

<210> 899
<211> 23
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<223> n = A,T,C or G

<400> 899
cttcttcttc nttttttttt ttt

23

<210> 900
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 900
tttctgtcgc tntgattttg g

21

<210> 901
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 901
cttcttttctc nttttttttt t

21

<210> 902
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 902
ttcatctcnt tttttttttt t

21

<210> 903
<211> 40
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 903
aatttctcct ccttttcaaa gaanttgaat ttttgaatct

40

<210> 904
<211> 20
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 904
gttccttccg ntttttccac

20

<210> 905
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 905
cctgagagggc atcaaantca aatatgatca a

31

<210> 906
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 906
catctcattt gtatcngtca cctgattggg

30

<210> 907
<211> 38
<212> DNA
<213> Homo sapiens

<220>
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<400> 907
tttgggaggg tgaggtgggn ggatcaggag gtcaggag

38

<210> 908
<211> 16
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(16)
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<400> 908
 ggaccaanct ggggtg

16

<210> 909
 <211> 19
 <212> DNA
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 <223> n = A,T,C or G

<400> 909
 aaaaaaaaaa ngtttcccc

19

<210> 910
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 910
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38

<210> 911
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 911
 tattgtattc caattntgga tgtagccacc a

31

<210> 912
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 912
 tattcctagt ctgtggagag gntttttgtt tgtttgtttg

40

<210> 913

<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 913
tttgtttntt tagacagagt ctca

24

<210> 914
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 914
tatatttttag ttttcattngt gaattcttct ttgacc

36

<210> 915
<211> 13
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(13)
<223> n = A,T,C or G

<400> 915
tacctcnttt ttt

13

<210> 916
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 916
tttttttttna accttaaa

18

<210> 917
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)

<223> n = A,T,C or G

<400> 917

catctcnaaa aaa

13

<210> 918

<211> 16

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(16)

<223> n = A,T,C or G

<400> 918

aaaaaaaang agagag

16

<210> 919

<211> 15

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(15)

<223> n = A,T,C or G

<400> 919

agactancac agaaa

15

<210> 920

<211> 13

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(13)

<223> n = A,T,C or G

<400> 920

ccacatnctc tcc

13

<210> 921

<211> 13

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(13)

<223> n = A,T,C or G

<400> 921

gatggtnagc att

13

<210> 922

<211> 13

<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 922
tttcatntgt ttt 13

<210> 923
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 923
aatgatngcc att 13

<210> 924
<211> 13
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 924
gttcatntcc ttg 13

<210> 925
<211> 15
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 925
gatttttnta taagg 15

<210> 926
<211> 13
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(13)
<223> n = A,T,C or G

<400> 926
tctaactttt aag 13

<210> 927
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 927
catgagnatg gaa 13

<210> 928
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 928
cctgcctnat tgccc 15

<210> 929
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 929
cctgccnaat tgccc 15

<210> 930
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 930
gaatgttntt ccatt 15

<210> 931
<211> 14
<212> DNA
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<220>
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<222> (1)...(14)
<223> n = A,T,C or G

<400> 931
gatttggnctc tctg

14

<210> 932
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 932
tgtttgncctg ttg

13

<210> 933
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 933
agttgcntat cag

13

<210> 934
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 934
ggctganaca atg

13

<210> 935
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 935
gggacngtg gtg

13

<210> 936
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 936
ttattgngtc tat

13

<210> 937
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 937
attcttntct ctt

13

<210> 938
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 938
tgggagngtg tat

13

<210> 939
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 939
tctttnttc ttt

13

<210> 940
<211> 14
<212> DNA
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<220>
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<222> (1)...(14)
 <223> n = A,T,C or G

<400> 940
 gtgtcanttt tgga 14

<210> 941
 <211> 15
 <212> DNA
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<220>
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 <222> (1)...(15)
 <223> n = A,T,C or G

<400> 941
 cttttccntt ttttt 15

<210> 942
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 <212> DNA
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<220>
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 <222> (1)...(14)
 <223> n = A,T,C or G

<400> 942
 agacagnctt gctc 14

<210> 943
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<220>
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 <222> (1)...(13)
 <223> n = A,T,C or G

<400> 943
 ggctatngaa aaa 13

<210> 944
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<220>
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<400> 944
 gctggancat aaag 14

<210> 945

<211> 15
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<223> n = A,T,C or G

<400> 945
ctttttnaaa atagg 15

<210> 946
<211> 17
<212> DNA
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 946
aatctttana gtacatt 17

<210> 947
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 947
gttgaaatcn tttttttttt tt 22

<210> 948
<211> 14
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 948
ccctacangt aaat 14

<210> 949
<211> 16
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<220>
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<223> n = A,T,C or G

<400> 949
aaatatanac atttat

16

<210> 950
<211> 14
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 950
cgcttcnat aaaa

14

<210> 951
<211> 14
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 951
tataaggtnt aagg

14

<210> 952
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 952
tcccatntg taggtt

16

<210> 953
<211> 15
<212> DNA
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<223> n = A,T,C or G

<400> 953
aattagancc cattt

15

<210> 954
<211> 13

<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 954
tcttcctttt gtt 13

<210> 955
<211> 13
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 955
gtggttngta gtt 13

<210> 956
<211> 13
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 956
ccttcangtc cct 13

<210> 957
<211> 12
<212> DNA
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<223> n = A,T,C or G

<400> 957
cttcatntcc ct 12

<210> 958
<211> 13
<212> DNA
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<223> n = A,T,C or G

<400> 958
 actcatngtt tgg 13

<210> 959
 <211> 13
 <212> DNA
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 <223> n = A,T,C or G

<400> 959
 ctcatntttt ggc 13

<210> 960
 <211> 15
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<220>
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 <223> n = A,T,C or G

<400> 960
 ctctctcntt ttttt 15

<210> 961
 <211> 15
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 961
 catgtcncct gcaaa 15

<210> 962
 <211> 13
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 962
 tttgtgngca gag 13

<210> 963
 <211> 16
 <212> DNA
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<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 963
tttttttngc tcatca

16

<210> 964
<211> 18
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 964
gcctcatgna cccctacc

18

<210> 965
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 965
ctcacaaang ctccagt

17

<210> 966
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 966
gctggaggna ggactag

17

<210> 967
<211> 17
<212> DNA
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 967
gtcaaattna ttcattt

17

<210> 968
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<212> DNA
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<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 968
tccagctgan gatgcagg 18

<210> 969
<211> 18
<212> DNA
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<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 969
agccctgant gggcacca 18

<210> 970
<211> 19
<212> DNA
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<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 970
caccctgct ntatacact 19

<210> 971
<211> 16
<212> DNA
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<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 971
ctatacantg gttggt 16

<210> 972
<211> 20
<212> DNA
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<220>
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<222> (1)...(20)
 <223> n = A,T,C or G

<400> 972
 ccaggtcaag ntgctgagtg

20

<210> 973
 <211> 18
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 973
 tagtggtgna gtctgggc

18

<210> 974
 <211> 17
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 974
 cgtaccant aggtaat

17

<210> 975
 <211> 19
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 975
 ctgggaggan ctggggact

19

<210> 976
 <211> 19
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 976
 gtgatgggnt gccttaaag

19

<210> 977

<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 977
atctggtaan aggtgtgg

18

<210> 978
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 978
gaaacaggng cggtggca

18

<210> 979
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 979
ctctgaaggn tcatcacag

19

<210> 980
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 980
ctctccaagc ncctgctagt a

21

<210> 981
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)

<223> n = A,T,C or G

<400> 981

ctcttttatta ntcccttttcc ca

22

<210> 982

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 982

gatgaaggan tgggtcatgc

20

<210> 983

<211> 17

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(17)

<223> n = A,T,C or G

<400> 983

tgctaccang tgagcca

17

<210> 984

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 984

aggtgagcca ncaggatgag

20

<210> 985

<211> 18

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(18)

<223> n = A,T,C or G

<400> 985

tcacaacana agtctcag

18

<210> 986

<211> 24

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 986
 aggggtggac tgnatctgt tcct

24

<210> 987
 <211> 28
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 987
 ttcatgaaag acnttttttt tttttttg

28

<210> 988
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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 988
 tgccctctcn gggccttggg g

21

<210> 989
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 989
 agtgtgggga tgnaacctcc agc

23

<210> 990
 <211> 19
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 990
 ctccttccgn ccaggttga 19

 <210> 991
 <211> 21
 <212> DNA
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 <223> n = A,T,C or G

 <400> 991
 tttcctccct nccctgcctc a 21

 <210> 992
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 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

 <400> 992
 cacggccagn agcctcttg 19

 <210> 993
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 <400> 993
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 <210> 994
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 <223> n = A,T,C or G

 <400> 994
 cactgtggnc tgagtctg 18

 <210> 995
 <211> 22
 <212> DNA
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<220>
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 <222> (1)...(22)
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<400> 995
 catgtacagg ngacagatct gg

22

<210> 996
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<400> 996
 aagtgtgcnt gaatgtga

18

<210> 997
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 <223> n = A,T,C or G

<400> 997
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21

<210> 998
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 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 998
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18

<210> 999
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 <212> DNA
 <213> Homo sapiens

<220>
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<400> 999
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19

<210> 1000
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<400> 1000
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21

<210> 1001
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

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ggaggttgta gngcagaagt t

21

<210> 1002
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1002
ggccatccan cagaaac

17

<210> 1003
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1003
tccccacnc tgatcac

17

<210> 1004
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1004
gaattgtgcc tanggagtac gc                                22

<210> 1005
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<212> DNA
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<223> n = A,T,C or G

<400> 1005
actgcagcct ngacctccca                                20

<210> 1006
<211> 18
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<220>
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<223> n = A,T,C or G

<400> 1006
ttccgggtca nagtacct                                18

<210> 1007
<211> 14
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(14)
<223> n = A,T,C or G

<400> 1007
accgtnata attc                                    14

<210> 1008
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 1008
tctaaactng ggggaaa                                17

<210> 1009

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<211> 15
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(15)
<223> n = A,T,C or G

<400> 1009
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15

<210> 1010
<211> 16
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(16)
<223> n = A,T,C or G

<400> 1010
tttttttnga gatgga

16

<210> 1011
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 1011
attccttgng ttggcct

17

<210> 1012
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<212> DNA
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<222> (1)...(15)
<223> n = A,T,C or G

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15

<210> 1013
<211> 16
<212> DNA
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<222> (1)...(16)

<223> n = A,T,C or G

<400> 1013
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16

<210> 1014
<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 1014
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18

<210> 1015
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 1015
acagatcttn aaaaaa

16

<210> 1016
<211> 47
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(47)
<223> n = A,T,C or G

<400> 1016
aaactttttc gcgaggggacn gttcaactga aacttcgaaa gcatcat

47

<210> 1017
<211> 45
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(45)
<223> n = A,T,C or G

<400> 1017
ttggggaaga ctgtggctgc tngcacttgg agccaagggt tcaga

45

<210> 1018
<211> 41

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(41)
<223> n = A,T,C or G

<400> 1018
agcactaaag cagtggancc caggagtccc tggtataaag t
41

<210> 1019
<211> 45
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(45)
<223> n = A,T,C or G

<400> 1019
cgagtaattt attgtttttc ctngtattta aatattaaat atggt
45

<210> 1020
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(62)
<223> n = A,T,C or G

<400> 1020
ccaagctccc atgacccaga caacgncctt gaagacaagc tgggttaact gctctaaca 60
ga 62

<210> 1021
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G

<400> 1021
tcgttagctt ctctgataa actaattgnc tcacattgtc actgcaaata gacacct
57

<210> 1022
<211> 47
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1022

acacctaaac ttgggagaac attgtntcccc agtgctgggg taggaga

47

<210> 1023

<211> 46

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(46)

<223> n = A,T,C or G

<400> 1023

tgctcatgaa cagaatacat anagatccag gagtctggac atcatc

46

<210> 1024

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(59)

<223> n = A,T,C or G

<400> 1024

tgtgaatggt gatgccaacc ctgtttgaac ncaaaaggat gataaagttg gaattggta 59

<210> 1025

<211> 56

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(56)

<223> n = A,T,C or G

<400> 1025

gtgaatggtg atgccaaccc tgtttgaacn caaaaggatg ataaagttgg aattgg 56

<210> 1026

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1026

ttcctgtgaa cagccatgca accaaaccan ggcaggcaac gcgctgacat

50

<210> 1027

<211> 48

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(48)
<223> n = A,T,C or G

<400> 1027
cctgtgaaca gccatgcaac caaaccangg caggcaacgc gctgacat 48

<210> 1028
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 1028
aagacgtgcg cccgagcccc gccgaancga ggccaccgag agccgtgccc agt 53

<210> 1029
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(52)
<223> n = A,T,C or G

<400> 1029
cacggggcag ggtaggcttt ctgcctnctt cacttcccca gggcaggtga gt 52

<210> 1030
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1030
ctgacctgtg gggtcnctg ccagacct 28

<210> 1031
<211> 25
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 1031
 gccactccga ctntccaag agctg 25

 <210> 1032
 <211> 28
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 1032
 tcccatccac gtttnttggc tgccactc 28

 <210> 1033
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 1033
 gtagggctat attattttat gggt 24

 <210> 1034
 <211> 49
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(49)
 <223> n = A,T,C or G

 <400> 1034
 ggggcagggt aggctttctg cctncttcac ttccccaggg caggtgagt 49

 <210> 1035
 <211> 55
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(55)
 <223> n = A,T,C or G

 <400> 1035
 gaatcaaata tcaactgctgg tacagctntg ttgttcattt ttgcagcttt ttgga 55

 <210> 1036
 <211> 47
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 <220>
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 <223> n = A,T,C or G

<400> 1036
 gctgtagaa attggggcgc gaanccgggg accgttcctg ggaaaca 47

 <210> 1037
 <211> 52
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 1037
 gccctgagtc aggcataat gcaganttag tgttttttca gggctctggc ag 52

 <210> 1038
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(56)
 <223> n = A,T,C or G

 <400> 1038
 ggatatctgc atttccaggt cacttattan ttaccatagc agcaaagaca taatgg 56

 <210> 1039
 <211> 31
 <212> DNA
 <213> Homo sapiens

 <400> 1039
 cttatgcatg caactctcac ttcaccttga c 31

 <210> 1040
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(57)
 <223> n = A,T,C or G

 <400> 1040
 ctcagtcagtg tgtgacagat gttcctttgn tagagttctt tgcctaccag agttctc 57

 <210> 1041
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 1041
 gtcgcgcccc ggctccagcc cnagcgccga gaagttggcg atgg 44

 <210> 1042
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1042
 accctgtccc ccttgaggga catcacagnt gtctccagaa aggtaggtga tg 52

 <210> 1043
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 1043
 tctcgggtctc acagtgccca tgcta 25

 <210> 1044
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1044
 gccagtgggc acatggggga canggtcaca ctcaccacca ga 42

 <210> 1045
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(48)
 <223> n = A,T,C or G

 <400> 1045
 actcaccacc agagtgccac gcanagcacc cccggcatcg tcagcgcc 48

 <210> 1046
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

<400> 1046
aacttccta ggccttgtca gtaanaaatc agagtgaatg aaaatgagga 50

<210> 1047
<211> 48
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(48)
<223> n = A,T,C or G

<400> 1047
tataccttttc actctctgat gacanaggct ttgaattttg tctgaggc 48

<210> 1048
<211> 49
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(49)
<223> n = A,T,C or G

<400> 1048
gcaaggttagg agtatcaagc gaaanccaaa atagcccact gatatggc 49

<210> 1049
<211> 56
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(56)
<223> n = A,T,C or G

<400> 1049
gcctataaga ggaaaccttt gagaggntga tgtggggctg gcctgggttac ttcattg 56

<210> 1050
<211> 52
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(52)
<223> n = A,T,C or G

<400> 1050
ctatccagtg gctcaggctt tccttgaagn gggaatctct ttcctaatac ca 52

<210> 1051
<211> 21
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 1051
 tctctctgta naaagactga a

21

<210> 1052
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 1052
 agactgtctc naaaaataaa

20

<210> 1053
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 1053
 ttaaaataat ttnacaaaaa acat

24

<210> 1054
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 1054
 atttagganc ccccccc

17

<210> 1055
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1055
 cctttctgct ttttaaantt tttctgttaa aaag

34

<210> 1056
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1056
ttaatggact acaaagtnta tttaaggggtt acaa

34

<210> 1057
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1057
gagattcttc attcanacag aaaatgtata acat

34

<210> 1058
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 1058
ttctaaatat ttattttgnc accagcgtca agacaa

36

<210> 1059
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1059
attaagactc ccaagcnaat cctgcatatt ccaa

34

<210> 1060
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1060
gtgtgtgtcc acngaggcac gg                22

<210> 1061
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 1061
tccctgttaa gtngggctca tgga                24

<210> 1062
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 1062
tgtcagggcc tgnccctcaga ca                22

<210> 1063
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 1063
ccccagacct angacctcca gga                23

<210> 1064
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(58)
<223> n = A,T,C or G

<400> 1064
cactttgcct gcaggtgcac cgaaaggacn tgggggataa aattcaaaaa agtgtgat    58

<210> 1065

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<211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1065
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 ttctggccgg ggctgtggag cgtgggtcac ctgggggcga aggactccac atcacggtga 120
 agtggagggtg ctgcagcccc caciaagccc gagaagcctg ccaggggcgc cccgggcgaa 180
 cggcagtggg cgtgggccgt tctgcagcac ccattggcgc gggggaggag agtgctgatc 240
 ccatcaagcc ccgtccaggt tcgcgccgcg tgggcctggc ccaggagcct cccccggcct 300
 cggggcccca tgggactgac agggggctga gttctctttc ctcccaacgg cggtgtttat 360
 aagaaatgaa gtcgccgagc ggccatcagc ggagccccc actgtcaccg cgccccgctc 420
 tcaggggggt ccggaacagc cctgagcact ggagcaattc cttggctcag tattctatca 480
 tgacccccca gtgattttcc agccagcttc agccccacat tctgcattta ggaattttat 540
 aacagtgcaa cgtttattct gctgtgtcat acagcatatt ttgccaaacc tttgagaggg 600
 gaggggctgg tctggtgccc cagtgtatct ccagaaccaa acctgggggt caccaaaaag 660
 caggcctgcg tgattcatat gtgttgaatg aattaaggga 700

<210> 1066
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1066
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 tgctgtgtca tacagcatat tttgccaaac ctttgagagg ggaggggctg gtctggtgcc 120
 ccagtgtatc tccagaacca aacctggggg tcaccaaaaa gcaggcctgc gtgattcata 180
 tgtgttgaat gaattaaggg actttctttc tctccagtta ggctccttgc aggcagggtg 240
 atgacccttg gattctgcct tcaagctttt ggatgctttt atttctggct tgtgttctgc 300
 aattcacagt ttaggactgc ctgcctccca ggtttctgtg aaaatcgaga tgaaggattt 360
 gagcatttca gagagcccta ctacttctgg acctggaacc tgggaaggcat gctggggagt 420
 ttgtctgctt tggggaccgt ggccccctct ctgggtagca ggctccacag gtagcaggct 480
 tcccagtcga aaacctagtt caggctgggc gccgtggctc atgcctataa tcccagcact 540
 ttgggaggcc gaggcgggtg atcacctgag gtcaggagtt ggagaacagc ctggccaatg 600
 tggtgaaact ccatctccac caaaaatata aaaattagct gggcatggtg gcgggtgcct 660
 gtaatcccag ctacttggga ggctgaggca ggagaattgc 700

<210> 1067
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1067
 tcaggtcggg cgccgtgggt catgcctata atcccagcac tttgggaggc cgaggcggtg 60
 gatcacctga ggtcaggagt tggagaacag cctggccaat gtggtgaaac tccatctcca 120
 ccaaaaatac aaaaattagc tgggcatggt ggccgggtgcc tgtaatcca gctacttggg 180
 aggctgaggc aggagaattg ctgaacccct ggaggtagag gttgcagtga gccgagatca 240
 cgtcactgca ctccagcctg ggtgacagag cgagactccg tctcaaaaaa acaaaacaaa 300
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 gtgcaaggat ggccgcatca ccttagtgtg gtccgtgtgg ccctgtgcat tgatgtgtgt 600
 gtgcatggtg acatgttggg agccatgctt ctgggcttca ggactaactg cagccacttc 660
 aggggggtgaa cagtgttttg agagcctgag ggaggggact 700

<210> 1068
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 1068

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gatttactga gtgcctacca tggtagccac tcttcggggg agtgcaagga tggcggcatc 60
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gagccatgct tctgggcttc aggactaact gcagcccact taggggggtga acagtgtttt 180
gagagcctga gggaggggac tggggacaag aattgtctgt cagggtagag gctccacacag 240
ggtgtgtgaa tgtgtgtgtg agatgatctt gccttcagca tcctgattgc agaagtcact 300
tcaaaggagc ccctgccagc cagttagcct cctcttgcca gcacagaaaa atccagggtcc 360
caatacacag aggccacaca atgaattcac cctcattgag tgaggctatg gatgagaggc 420
atctgtaagg aagaccttgc acagtgcagg gtgctggcta ccctcagcta acccctagct 480
cgcttcagct gctgggcattg aggaacctgc ttagatttct cacagaaaa acatggagagt 540
ctttttctca cagaaaaaat gtagagtttg tttcccagag tttgttccca ccatgtagaa 600
agtgaccagt ggtgaaaagg aaacatagga aagttaagga ccaaaggggc caaggaggga 660
aaagaaagga cttctgggtg gttgctttgc gggcattttg 700

```

<210> 1069

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1069

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gaggaacctg cttagatttc tcacagaaaa catggagagt tctttttctc acagaaaaaa 60
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gaaacatagg aaagttaagg accaaagggt ccaaggagggt aaaagaaagg acttctgggt 180
ggttgctttg cgggcatttt gaagagatca ggcataatgt ctgggcctta aaaaaagaca 240
cagagattga agtggtgggg tgggcaaggg agagagagat ggagagaggg tgagtgttgc 300
caagtatcct gaggagacag ggatgagggg acaaacacat tgtgttcaga taatggaaat 360
acagtgaag gttcatgcgt tcctgttcat acatttcatt tgacttatgt cttacagttt 420
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tttacagatg agaaaactga gccccagaga gggacagtaa cttgctaaga tcacatagca 540
agtggaaaaa gcacaataag aaccagggct ttcagactca aatcctgtgt tctcttttca 600
tcccccttta gtttcatctt tcctactgcc aagggtaggg aagctgtcag ggacagaagg 660
ttggaatggg accccaggac aagactgagc agagatttga 700

```

<210> 1070

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1070

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agccccagag agggacagta acttgctaag atcacatagc aagtggaaaa agcacaataa 60
gaacccaggc tttcagactc aaatcctgtg ttctcttttc atcccccttt agtttcatct 120
ttcctactgc caagggtagg gaagctgtca gggacagaag gttggaatgg gaccccagga 180
caagactgag cagagatttg aatgtggggc tgaatgtagg ggagctcaga aggctcctgg 240
gtggccccga gtgttaggga gatcatccga gttaggggaga tcattccagt gcagaggcac 300
catcttcccc atctacctgg gcaaggcaag gaggcccaag gggaggttgg ggcaacaata 360
gtctggtcct ggactatgaa atcacaaccc gatacaggga aggaagacc agagaccag 420
gtgggaaaga aaagggtgtg ctccgaatta ataagagcct acaggagcct atgtgttctg 480
ctggggatca cagaatgttc tacatcttag aatgtgatcc atcaaaagcc attacaataa 540
aaatgttggg tacttaaaac tggcttagct ttatttctact gatttggagt atagcaccac 600
tagtcataat aagcatattc ttacaggctt caaaataaag taagaatccc taagggttaa 660
aaaaaaaaaa aggtcaaaga tgtaaatgta aatgacagtt 700

```

<210> 1071

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1071
ctacatctta gaatgtgatt catcaaaagc cattacaata aaaatgttgg gtactttaa 60
atggccttagc tttatttcac tgatttggag tatagcacc ctagtcataa taagcatatt 120
cttacaggct tcaaaataaa gtaagaatcc ctaagggttaa aaaaaaaaaa aagggtcaaag 180
atgtaaatgt aaatgacagt ttcattggta aatcctaact ggggaatttc tcctaagcaa 240
aaaattattg atatgcacaa agatttagct aatagtgttg ttgtattac gaaaaaatgg 300
aaataacctt actgtcctac aataggggat taattgggta aatttttatt tatccttgtg 360
aaagaataat gtatacctat tacaatgac attgcataag tacatttcat gacatggaaa 420
gatgctcatt atggctaaat atacatatgc atatacgggt atatttatac ctgtatctgt 480
gaattaaaat taagtttttg ttttaaagca ttttttatag tgtcctgttg ccttcacagg 540
gtcactgtgg tcaacttata agaccacaaa gatgcaaact tcctttccct aatctcatcc 600
tgaattttcc agtggatgtg tcaggttctc aggggaagga caagcatcta tttgctgtac 660
caagaaagga tcccacgact caggggtcac ttgttttctc 700

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```

<210> 1072
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1072
gttttaaagc attttttata gtgtcctgtt gccttcacag ggctactgtg gtcaacttat 60
cagaccacaa agatgcaaac ttcttttccc taatctcatc ctgaattttc cagtggatgt 120
gtcagggttct caggggaagg acaagcatct atttgctgta ccaagaaagg atcccacgac 180
tcaggggtca cttgttttct cttattcttg ctcagaagggt cttgggtccct gtagcaagtc 240
cccacttcca tttgtcactt aaagtacccc aaaacccacc tttccattcc agagtgtcat 300
tgccctccac tttgtttaac actcagttag gtctcttccc cagtttctcc tacctccttt 360
cctctcctag ctctgaccc acctctatct ggtagacagt tttgccatt cctgctggta 420
tcctgggaac caggtttggc attggtcaca gcactcagat tgcaatgccc cagaatggga 480
ttaaccctat catttctct acgggagggg ggtagagtga ctggcaagtc gaatgttgca 540
tggtgtgtgc tatttatagc ctgcaaaatg ggggtgctgcc ctggaggagg agctgcgggtg 600
aaggaaatga cacgcctggg agagtaactt acttctgcag gagctctagg gagatgaagg 660
aagaagcctc ctggggccaga gttttggatg gaaaatgaac 700

```

```

<210> 1073
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1073
tacgggaggg aggtagagtg actggcaagt cgaatgttgc atgggtgtgt ctatttatag 60
cctgcaaaat ggggtgctgc cctggaggga gagctgcggt gaaggaaatg acacgcctgg 120
gagagtaact tacttctgca ggagctctag ggagatgaag gaagaagcct cctgggccag 180
agttttggat ggaaaatgaa caccagtc aatctctagg actatactg gggcggggac 240
tagttgtgcg cgagagttaa gtaggggccc ttaccaagga gcatgggacc tgggtcccc 300
aacccttttg ctagcccat ggctgtgatc agccctgagc taattcctcc atgctgccc 360
gaacctctct gggccaagcc ctggggactc agagatgaca gcaatgcttc cattgcggaa 420
ctcccatagc cgggccacag ggaggtctg gaggcggcct gaggcaagag tgctaggagg 480
gatcagagct agcccacccc taccctcact cagccgtctg ggcttctctg aacccttct 540
cctcctctgt tcctaaagc cagccagggg gagtcccagg gaggcagacc gaaaaggggt 600
ggggtgtcat cctggtcact attagaccct gcaacggcga ccttgaaaac tactcagcgt 660
ctgttgcccg agtggagcat agtgctttac aatctcttcc 700

```

```

<210> 1074
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1074
ctaccctcac tcagccgtct gggcttctct gaacccttc tcctcctctg ttcctaaag 60

```



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ccagccaggg ggagtccag ggaggcagac cgaaaagggg tggggtgtca tcttggtcac 120
tatttagacc tgcaacggcg accttgaaaa ctactcagcg tctgttgccc gagtggagca 180
tagtgcttta caatctcttc ccatcacagc aaaccatcaa ggtagggtta ctgttatttt 240
atggttgaaa aacagagggtc ctgcgtccct tgggggctgt gccagcagcg gccaaagttgg 300
gatttcccct ggtccagcag ccccagacag cacacggggc agggtaggct ttctgcctcc 360
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atcacctcgc ctgcgttcgg gagatatacc tccgcccccg ccccgccagg agggtgaaaa 600
gatggcccca ggagccagcc ggctgggaca aggcggagtg agaggacagg ctggggcccg 660
gggcgctggg ctgtcccggg cagccctcct ccgggcaagc 700

```

<210> 1075

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1075

```

gcccagtggt cccactggag agggcgggca gtgcccgggc gatcacctcg cctgcgttcg 60
ggagatatac ctccgcccc cccccgccag gagggtgaaa agatggcccc aggagccagc 120
cggtggggac aaggcggagt gagaggacag gctggggcgg gggcgctgg gctgtcccgg 180
gcagccctcc tccgggcaag ccggagcagg ggtggattgg gagcgtcgg ggcgggcccc 240
cggtggcccc gggcggtgg cggccggccg gagagggtgg ggcggagcag ccgccctgta 300
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ggccaatggg cgcccgcgcg gctgtccggg ggcggggcgg gccagggctg gggaatcccc 420
ctaagtgttt ggattgctcg gtggcgccgc tgccctggca gagctcgcca ctcccttagtc 480
gaggcaagac gtgccccga gccccgccga accgaggcca cccggagccg tgcccagtc 540
acgcggcccg tgcccggcgg ccttaagaac ccggcaacct ctgccttctt cctcttcca 600
ctcggagtcg cgctccgcgc gccctcactg cagccctgc gtcgccggga cctcgcgcg 660
cgaccgccga atcgctcctg cagcagaggt gagtacgcct 700

```

<210> 1076

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1076

```

agccccgcgg aaccgaggcc acccgagacc gtgcccagtc cacgcgggcc gtgcccggcg 60
gccttaagaa cccggcaacc tctgccttct tccctcttcc actcggagtc gcgctccgcg 120
cgccctcact gcagcccttg cgtcgccggg accctcgcgc gcgaccgcgg aatcgctcct 180
gcagcagagg tgagtacgcc tttgaggcgc ggggcaccgg cggcgtcgaa taaaaggcgc 240
gcggggcacc aggaagtggg gggtcgaaaag ctccaggctg gagactcgcc ggcgcgcggc 300
gttgcccggg cctccgcgcg ggctccgggg ggcgccggag gagctgcgag ccgcgggccc 360
cggcgcgggg agggcgggac gcggcggtga ccgccaccc ggacgaggct gccggcgccc 420
ggcagctttc gcagatctgc gtgcgcgcag ccgccagggg cctgtaggtg gcccgctatg 480
ttcgtcccg ccatccacac gccgtgccgg ggaccgagtg tcagccacag cgtgggcgc 540
cagtgtcccc ggctttcggc ggtcccagct ccgcgccag gcgacaggtt ttgggctccc 600
tgtgctggtg gcaagggtcg gcttactgcc caggtggctg gagggaatcg tgacctacgg 660
agactgcggg aagaggcgcc acaggtgttc cttgggcccac 700

```

<210> 1077

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1077

```

cgccgtgccc gggaccgagt gtcagcccac gcgtgggcgc ccagtgtccc cggttttcgg 60
cggtcccagc tccgcgcccc ggcgacaggt tttgggctcc ctgtgctggg ggcaagggct 120
ggcttactgc ccaggtggct ggagggaatc gtgacctac gagactgcgg gaagaggcgc 180

```

cacaggtggt	ccttgggcca	cttctccaga	ggaggggaaa	ccggggccgga	agggtttagcg	240
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ggcgggaggg	ggctgttcag	ggtgacggct	agccctttgc	tagctagtgg	ttacaactca	360
agtcaaggga	atctcttctt	ggcatcaagc	aaaagaagtc	cctcccttcc	caaaggattt	420
gaattttgag	cgaaaagttc	tgaaattagg	gtatctgtgc	atcttctctc	ttttcctgca	480
tatgaatcct	gaagccatca	cttgcattgc	tgtctcctcc	agagactggc	tgggaggggc	540
tgaaggaagg	ggcaaaagca	tttttgccca	agatgctgaa	aaaatttgga	gagcagtttt	600
attccagcgc	agctcccctc	cgcactgagt	gtagtaccta	gcagctggct	gaggtgaggg	660
gagggttaact	aagtgcacct	gggtggggca	ggtcactgcc			700

<210> 1078

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1078

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ccgcactgag	tgtagtacct	agcagctggc	tgaggtgagg	ggagggtaac	taagtgcact	180
cgggtggggc	aggtcactgc	ccaggtactg	ttcaacagat	tccagactgg	agcctctgtg	240
ttctctttac	agccaacatg	cccactcctc	ggatgcgcat	gagaccctgg	ctagagatgc	300
agattaattc	caaccaaata	ccggggctca	tctggattaa	taaagtgagt	gtaactcttt	360
gggttttctc	gccactgttt	taacccatgt	acttctggag	ggaccaaagc	ttcagatgca	420
gctcaaaaag	ggaagtgata	acgggacaag	caggtgtttc	tcccagtggg	tcctgcattg	480
agggagtgtg	cacggcccag	cctgggcctc	acttgcattg	ctcctgcctt	cttcccctct	540
tgaggtaggg	cacccacctg	aaggcacttc	cagtttccag	cagcaagact	ttccagcatt	600
tgcagagctg	gagttctgct	ctcctctaag	cgagaccctt	acaaacatac	acagcactct	660
gcagggtctc	aatcgaacaa	atagaagact	gagaagtgga			700

<210> 1079

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1079

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gaaggcactt	ccagtttcca	gcagcaagac	tttccagcat	ctgcagagct	ggagttctgc	120
ttctctctaa	gcgagaccct	tacaaacata	cacagcactc	tgcagggctc	caatcgaaca	180
aatagaagac	tgagaagtgg	atgctgctgg	gcagaaacgt	gcctggctta	gcagaggaca	240
aacgagttaa	tcttgcacca	gtcactctgg	cccaagaagc	ctatagctgg	tgcacttggg	300
gcaacataga	ccctatagac	ttagtagcaa	tgatagtatt	cataataata	gctaattgct	360
actgaacact	ccctgtgtgc	ctggcacctg	ctaagtatgt	tattttacatt	gtgtcattta	420
atcctcgcag	tagtcctgtg	ggtttagatc	tactaatgtc	atcattttca	gataagtaaa	480
cagaggcact	gagaggtaga	tcataagatc	acacaaaaag	tgatgaagcc	aagatttgaa	540
cttgaacggg	ctgactcaga	aatctttact	gttaaccata	agtgatataa	taacagtaag	600
accttagact	tcataattgt	cactgtgtcc	ctacacatcc	tctgggtttt	aatcctcaaa	660
atcttgttgg	atatgttttc	tcatttccga	gaagagaaaa			700

<210> 1080

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1080

atcataagat	cacacaaaaa	gtgatgaagc	caagatttga	acttgaacgg	tctgactcag	60
aaatctttac	tgtaaccat	aagtgatata	ataacagtaa	gaccttagac	ttcatatttg	120
tactgtgtgc	cctacacatc	ctctggtttt	taatcctcaa	aattttgttg	gatattgttt	180
ctcatttccg	agaagagaaa	actgaggggc	aaagagatac	agtgacaatg	ccagggttac	240
acagtgttca	ccatccaagt	ctagcccaga	gctccctcag	tggtatgacc	aggacccctt	300

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gtgtaagagc ccatgctccc aggtgtcctg aggagtcctt tctaattggaa gaagttctta 360
cttccatgtg ggtgctttaca agccagagag aaacatccca gagcttcaaa accagggtct 420
tggtgggaggg tgccctgtgt gggtcctagc acatgtgtaa caggcagagg gaggtctttg 480
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gtcagccttt tctcagacct gtctggctgg gcaggcctgg gtctcagact cagcccaaaa 660
gtctgtggtc tctgacctga cacagcctta tgtgtatgtg                               700

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<210> 1081

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1081

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ctcatccaaa ctaggtgtcc ctccctgagag atccagagtg gtctgtttta gccagcctca 60
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tgtctggctg ggcaggcctg ggtctcagac tcagcccaaa agtctgtggg ctctgacctg 180
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atgcagaatt actgggaaga ggggctgggt gcagacttgt gtttctggag aagagagtgc 480
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gggtttgtgg ctagatgaaa gttctccctg gcaaaagcat ctgtgaaaag cagctgtaag 600
ccagggcact gaaagagacc caggtctgcc tttttcttcg tgttgaccaa ggcccttggg 660
ccaagcctca tgtggttggg ggccctcctt atccttgaga                               700

```

<210> 1082

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1082

```

aaagggaaaa gccaatgctc tagaaagtgt gtggcttcag ggggtttgtg gctagatgaa 60
agttctccct ggcaaaagca tctgtgaaaa gcagctgtaa gccagggcac tgaaagagac 120
ccaggctctgc ctttttcttc gtgttgacca aggccttggg tccaagcctc atgtggttgg 180
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ctgggcattt gagaaggccc agggcctagg acctgcagag tgtcacggg agtacctgct 480
ggtttgacca ctgtggctct ctggtagcat aagaggctcag gggtagcctt ccttcctcct 540
tcaggccagg ggcagctgag gatccctacc catggccctg acgatcctct tttttctcct 600
gcctcttagg ccgatacaaa gcaggggaaa aggagccaga tccaagacg tggaaggcca 660
actttcgtg tgccatgaac tccctgccag atatcgagga                               700

```

<210> 1083

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1083

```

tctggtagca taagagggtca ggggtacctt gccttcctcc ttcaggccag gggcagctga 60
ggatccctac ccatggccct gacgatactc ttttttctcc tgccctctag gccgatacaa 120
agcaggggaa aaggagccag atcccaagac gtggaaggcc aactttctgt gtgccatgaa 180
ctccctgcc aatctcgagg aggtgaaaga ccagagcagg aacaagggca gctcagctgt 240
gagagtgtac cggatgcttc cacctctcac caagaaccag agaaaaggta tccaaggact 300
ctgggtcctt gggaagccct caggagggga gggtagaagg aggtcagctg gggctggaga 360
gcctgcacca aggtgacag cccgtctgcc ccacagaaag aaagtcaag tccagccgag 420

```

```

atgctaagag caaggccaag aggaagggtga gtgtgggtcct aagcagccag gcctttgggtc 480
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ttctccctcg acagtcacgt ggggattcca gccctgatac cttctctgat ggactcagca 600
gctccactct gcttgatgac cacagcagct acacagttcc aggctacatg caggacttgg 660
agggtggagca ggccttgact ccagggtgagc tgggtccaggt 700

```

```

<210> 1084
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1084
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tggggattcc agccctgata ccttctctga tggactcagc agctccactc tgcctgatga 120
ccacagcagc tacacagttc caggctacat gcaggacttg gaggtggagc aggccctgac 180
tccagggtgag ctgggtccagg tctggcagga gacccacag gtcagtggga tgactctttc 240
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gaagggtctt ctgagagaga aaagatgatc agaactccac ctggcactga attgattgag 600
ttgggcattg cccagtctta gccaccatag ggggaggcaa gcgacgggga cactaggaag 660
gcagttcaga gtgggtctga gtacagtggg ggctgggtgag 700

```

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<210> 1085
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1085
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aaaagatgat cagaactcca cctggcactg aattgattga gttgggcatt gccagtcct 120
agccaccata gggggaggca agcgacgggg acactaggaa ggcagttcag agtgggtctg 180
agtacagtgg gggctggtga gaggaggaa gggggccagg ggctgcattt tgggggtctg 240
gttctccttc ctctctgta gccagcatc tgagggtgag gaaggaagta gggtaggggt 300
gggaagcggc gtggcttcag ggtttgagag gctgagtcac caggccaggg tcctgttctg 360
gaatctctat ggcagatagg tccaccggga ggggtgtgtg gtgtgtgtgt gtgtcagaga 420
gacagagaga cagagaaagg gcagggggat ctgggtgggt ggaactggaa ctgcagggtg 480
agtgtggctg actgccagcc aacctctctg ctttcccat ccacagctac aacagatgag 540
gatgaggaag ggaaattacc tgaggacatc atgaaggtaa agccccttcc tacctgggca 600
ctcttgaagt gaccgtttct cagtgaggag agagaaccag tgaagcttcc aaatcagagg 660
atgggtagct gctgttgtca cctggctgct tgcattgtcc 700

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<210> 1086
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1086
caacctctct gctttcccca tccacagcta caacagatga ggatgaggaa gggaaattac 60
ctgaggacat catgaaggta aagccccttc ctacctgggc actcttgaag tgaccgtttc 120
tcagtgagga gagagaacca gtgaagcttc caaatcagag gatgggtagc tgctgtgtg 180
acctggctgc ttgcattgtc ccacaagtgc cacattcacg tggcttgact ggtgggaaag 240
ccaccatggg aagggaaggc aggtgggagg cctggcctct gacaggccgt cctgaagcaa 300
gccttggggc atcagacagc tctgtgagtc aggcactatc agcgatgggt ccctggcctg 360
catcctctgc cccaacatgc cccagccctg ctagtccggg aaatgcacat caggcttcaa 420
taatcagcct ttaggatccg ttaatatgat gatggcttta tagaaaaagt tagcaaatta 480
tcctccagggt ttttttttct gcttcagttt tgaaagtga ttagtatttt gcagccgggg 540

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gcagtggctc atgcctgtaa tcccagcact ttggaaggcg aaggtgggtg gatcacctga 600
ggtcaggagt ttgagaccag cctgactaac atggtgaaac ccatctctac caaaaatata 660
aaaattagct gggcctgggt gcgcacgcct gtaatcccag              700
```

```
<210> 1087
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1087
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atcccagcac tttggaaggc gaagggtggg ggatcacctg aggtcaggag tttgagacca 120
gcctgactaa catggtgaaa cccatctcta ccaaaaatat aaaaattagc tgggcctggg 180
ggcgcatgcc tgtaatccca gctactctga aggctgaggg aggagaatcg cttgaacctg 240
agaggcggag gttgcagtga gctgagattg tgtcattgca ctccagcctg ggcaacaaga 300
gcaaaactcc atttcaaaaa aaagtttttg cagtagttgt acgccagctg ttccattagc 360
ccaaaaaatt gagacatgga tgtcgttcct tatctctagc ttttctagtc atcttttctt 420
gatttattat gctaaccttt gttttaagcc acattccctc ttactatgtc cttacacagt 480
tgagagggaa gtcgtggaga tgctatacca gagagtgggt gtgagagggg tgggaaaatg 540
aattgaggac cagtgccaac atgcatttct gcctcctccc tcccggggcc ttgtcctgag 600
tgcagtgcac ttctgcatcc tatctgagat tgtgaaaatg gccaaagggtg tgatactggc 660
tgagaggagc tggctcattg agggcagggc cacagggtga              700
```

```
<210> 1088
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1088
atgctatacc agagagtggg tgtgagaggg gtgggaaaat gaattgagga ccagtgccaa 60
catgcatttc tgctcctccc ctcccggggc cttgtcctga ctgcagtgca cttctgcata 120
ctatctgaga ttgtgaaaat ggccaagggt gtgatactgg ctgagaggag ctggctcatt 180
gagggcaggg ccacagggtg agtctgcact ggaaggaggt tgatagcctc ttgctcttct 240
gtccccagct cttggagcag tgggagtggc agccaacaaa cgtggatggg aaggggtacc 300
tactcaatga acctggagtc cagcccacct ctgtctatgg agactttagc tgtaaggagg 360
agccagaaat tgacagccca gggggtaaga aggccctgga tccttatggc ttcttagatg 420
aggagaaacc acgtagggat ggagaaagct tgggggcagg gccaggagc agggcggtaa 480
agcatctggg gtaactgacac attgtgaatt agctacggct gccatgcctt aaggtttgcc 540
tgaagctgag tggatgttta ctgctgtgct gggaagagca gaggccatgt ctatggcctt 600
caggggtagg gggagacaca cctgatgcca ccgtccccta ccctcataca accttcttca 660
catcttctag gggatattgg gctgagtcta cagcgtgtct              700
```

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<210> 1089
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1089
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actgctgtgc tgggaagagc agaggccatg tctatggcct tcaggggtag ggggaagcac 120
acctgatgcc accgtccctt accctcatac aaccttcttc acatcttcta ggggatattg 180
ggctgagtct acagcgtgtc ttcacagatc tgaagaacat ggatgccacc tggctggaca 240
gacctgtgac cccagtcggg ttgccctcca tccaggccat tccctgtgca ccgtagcagg 300
gcccctgggc cctctttatt cctctaggca agcaggacct ggcacatagg tggatatggg 360
gcagagaagc tggacttctg tgggcccctc aacagccaag tgtgaccca ctgccaagtg 420
gggatggggc ctccctcctt gggtcattga cctctcaggg cctggcaggc cagtgtctgg 480
gtttttcttg tgggtgtaaag ctggccctgc ctccctggaa gatgaggttc tgagaccagt 540
gtatcagggtc agggacttgg acaggagtca gtgtctggct ttttctctct agcccagctg 600
cctggagagg gtctcgtctg cactggctgg ctccctagggg aacagaccag tgacccaga 660
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aaagcataac accaatccca gggctggctc tgcactaaga

700

<210> 1090

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1090

gctggccctg	cctcctggga	agatgaggtt	ctgagaccag	tgtatcaggt	cagggacttg	60
gacaggagtc	agtgtctggc	tttttcctct	gagcccagct	gcctggagag	ggtctcgctg	120
tcactggctg	gctcctaggg	gaacagacca	gtgaccccag	aaaagcataa	caccaatccc	180
agggctggct	ctgcactaag	agaaaattgc	actaaatgaa	tctcgttccc	aaagaactac	240
ccccctttca	gctgagccct	ggggactgtt	ccaaagccag	tgaaatgtga	aggaaagtgg	300
ggtccttcgg	ggcgtatgct	cctcagcctc	agaggagctc	taccctgctc	cctgctttgg	360
ctgaggggct	tgggaaaaaa	acttggcact	ttttcgtgtg	gatcttgcca	catttctgat	420
cagaggtgta	cactaacatt	tcccccgagc	tcttggcctt	tgcatattatt	tatacagtgc	480
cttgctcggc	gcccaccacc	ccctcaagcc	ccagcagccc	tcaacaggcc	cagggaggga	540
agtgtgagcg	ccttggtatg	acttaaaatt	ggaaatgtca	tctaaccatt	aagtcatgtg	600
tgaacacata	ggacgtgtgt	aaatatgtac	atttgccttt	ttataaaaag	taaattgttt	660
ataaggggtg	tggccttttt	agagagaaat	ttaacttgta			700

<210> 1091

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1091

cccccaagc	cccagcagcc	ctcaacaggc	ccagggaggg	aagtgtgagc	gccttggtat	60
gacttaaaat	tggaaatgtc	atctaaccat	taagtcattg	gtgaacacat	aggacgtgtg	120
taaatatgta	catttgtctt	tttataaaaa	gtaaattgtt	tataaggggt	gtggcctttt	180
tagagagaaa	tttaacttgt	agatgatttt	actttttatg	gaaacactga	tggacttatt	240
attggcatcc	cgctgaact	tgactttggg	gtgaacaggg	acatgcatct	attataaaat	300
cctttcggcc	aggcgcggtg	gctcacacct	gtaatcccag	cactttggga	ggccgagatg	360
ggtggatcac	ctgaggtcag	gagttcgaga	ccagcctggt	gaaactccat	ttctactaaa	420
aatgcaaaaa	ttagctgggc	gtggttgctg	gtgcttgtaa	tcccagctac	tcaggaggct	480
gaggcaagag	aatcgcttga	acctgggagg	tggagggtgc	agtgagccga	gaacatgcca	540
ttgcactcca	gcccgggcac	caaaaaaaaa	aaaaaaaaaa	aaacctttca	tttggccggg	600
catggtggct	tatgcctgta	atcctggcac	tttgggaggc	caaggtgggc	agatcacctg	660
aggtcaggag	tttgagacca	gcctggccaa	catggtgaaa			700

<210> 1092

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1092

aacctgggag	gtggagggtg	cagtgagccg	agaacatgcc	attgcactcc	agccccggga	60
caaaaaaaaa	aaaaaaaaaa	aaaacctttc	atttggccgg	gcatggtggc	ttatgcctgt	120
aatcctggca	ctttgggagg	ccaaggtggg	cagatcacct	gaggtcagga	gtttgagacc	180
agcctggcca	acatggtgaa	acctcatctc	tactaaaaat	acaaaaatta	ggccgggcac	240
ggtggctcac	gcctgtaatc	ccagcacttt	gggaggcaga	ggcggggcga	tcacgaggtc	300
aggagatcaa	gaccatcctg	gctaacacgg	tgaacccccg	tctctactaa	aaatataaaa	360
aattagccgg	gcctagtggc	gggtgcctgt	agtcccagct	actcgggagg	ctgaggcagg	420
agaatggcat	gaaccccgga	ggcagagctt	gcagtgagcc	gagattgcac	cactgcacta	480
cagcctgggc	gacagagcga	gactccgtct	caaaaaaaaa	aaaaaaaaatt	agccgggcct	540
ggtggcgggc	gcctgtaatc	ccagctactg	tggaggctga	agcacaagaa	tcacttgaac	600
ccgggagatg	gaggttgcat	tgagctgaga	ctgtgccact	gcactccagc	ctgggtgaca	660
agagtgagac	tttgtctcaa	aaaaaaaaaa	atccttttgt			700

<210> 1093
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1093
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 cccagctact gtggaggctg aagcacaaga atcacttgaa cccgggagat ggagggttgca 120
 gtgagctgag actgtgccac tgcactccag cctgggtgac aagagtgaga ctttgtctca 180
 aaaaaaaaaa aatcctttttg tttatgttca catagacaat ggcagaagga ggggacattc 240
 ctgtcatagg aacatgctta tataaacata gtcacctgtc cttgactatc accagggctg 300
 tcagttgatt ctgggtccct gggggcccaag gagtgttaag ttttgaggca tgtgccatag 360
 gtgatgtgtc ctgctaacac acagatgctg ctccaaaaag tcagttgata tgacacagtc 420
 acagacagaa cagtcagcag cccaagaaag gtccctcacgg ctgctgtgct gggtagcact 480
 tgccatccag tttctagagt gatgaaatgc tctgtctgta ccgttcaata cagtaggcac 540
 tggcactagc cacatgtgcc agctaagcac ttgaaatgtg gccagtgcaa taaggaattg 600
 aacttttaat tgcatttaat aaactgtatg taaatagtca catgtggtca gtggttacca 660
 tattgaacag tgcaggtaga tactggactg ggggcagatc 700

<210> 1094
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1094
 tgatgaaatg ctctgtctgt accgttcaat acagtaggca ctggcactag ccacatgtgc 60
 cagctaagca cttgaaatgt ggccagtgcata ataaggaatt gaacttttaa ttgcatttaa 120
 taaactgtat gtaaatagtc acatgtgggtc agtgggttacc atattgaaca gtgcaggtag 180
 atactggact gggggcagat ctgaggggaga ggggtttgag tagtgggagg acactgggga 240
 taggggcttg gggctattta cctgccattt tgagtagttt gctatttttag cagccaacaa 300
 taactattgg tgctgaatac cagccctgca gtgtagcatg agacagggtcc atgcacacat 360
 gcattaggaa aacaccttca tgaagcagga ttctgcctgg gctgatgcac acaacctcta 420
 tggagggtaa acagtgtttc tgaagaccgt agtttgggaa cccctgacat atgacaatgc 480
 ccccttagat aagctcaagt tacaggaatg tctgagggtg gaagggtgtg atatgtgctt 540
 ttctgtctc cctcttcagt gtctggccat ggggcataaa cactaccag cagtaggtag 600
 gctggccaag agaagccagc ttgcatcacc agcatcatct agggaaatgga atcatggcag 660
 taatacgttg cttaggaaac aaaagctcta tggacacatc 700

<210> 1095
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1095
 ttacaggaat gtctgaggggt ggaaggtgtg gatatgtgct tttcctgtct ccctcttcag 60
 tgtctggcca tggggcataa acactacca gcagtaggta ggctggccaa gagaagccag 120
 cttgcatcac cagcatcatc tagggaatgg aatcatggca gtaatacgtt gcttaggaaa 180
 caaaagctct atggacacat cttccacctt ctacgtccca gaaaccatat gtactgtgac 240
 cccgtcact agggccagcc ctcggaaga gtgtgggccc ttgaaaaggg aagactgagt 300
 gagaaaatga tgagaaaact acaaaatggg cagaggctag tctgacacat tcattctctg 360
 tcaagctcag gaagtactgg tcctgatct tggagatgct gtgtgagtgg cagggggact 420
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 gagggcgagg caggtggatt gcctgagttc aggagttcaa aaccaggctg ggcaacatgg 600
 tgaaaccctg tctctactaa aaaaaaacta accaggcgtg gtggtgcatg cctgtaattc 660
 cagctactag ggaggctgag gcaggccaat cacttgaacc 700

<210> 1096
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1096
 gccgagcgcg gtggtcaca cttgtaatct tggcactttg ggaggccgag gcaggtggat 60
 tgcttgagtt caggagttca aaaccaggct gggcaacatg gtgaaaccct gtctctacta 120
 aaaaaaaact aaccaggcgt ggtggtgcat gcctgtaatt ccagctacta gggaggctga 180
 ggcaggccaa tcacttgaac ccaggagggtg gaggttgcat tgagctgaga tcacgccact 240
 gcactctagc ctgggcaaca gagcgagact ctgtctcaaa aaaaaaaaaa aaaagaagtt 300
 ctacttgga gctccacttg gatttctcaa gaatagcttc acctgggaac agaggaatag 360
 acaggatgga cttttccagc tccttcaggg accagccctt ttttaagattt ggattgaggt 420
 ggctagccac ctgtggcttc catctgggtt ctctagtgg gtgatggcag gtggtgcaga 480
 gcaaggtaga gtggactgac gggaggaaaag tgataccacc cagaacaagc agcagctctg 540
 acttcttttt ctctgccct tcaatctaata ccctgatgga gggtaggcag tgagtatgtg 600
 aagtcttagg cagctgtgga aatctctcaa gttctaaaag caaagttaat tgcttgtaaa 660
 ttacaaaaaa gagagaggaa ttatgtccat cagcttccaa 700

<210> 1097
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1097
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 ttcaatctaa tccctgatgg agggtaggca gtgagtatgt gaagtcttag gcagctgtgg 120
 aaatctctca agttctaaaa gcaaagttaa ttgcttgtaa attacaaaaa agagagagga 180
 attatgtcca tcagcttcca atctccacaa ccaagatgga gtctctcaatt tccccatccc 240
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 gtagtggtgg atagagccag acctttcagg atggagagct gtcccatcac atcctaccaa 420
 gacttcagcc ttttcttagg aaaagaaact aaataaggctc tgacagctca cctaaagggtg 480
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 aagatctgaa ccaagtttgt gcttaataat tagatcattc taaggacctg acagtgtctc 600
 tgtgggtcat tctcaagagt ttcagtataa gcaactaatg tggaaagttct aggttgaggg 660
 agctaggagg ttgttgaaaag atctgttttg ctgggggtgt 700

<210> 1098
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1098
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 tttcagtata agcactaatg gtggaagtcc taggttgagg gagctaggag gttgttgaaa 180
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 aagaaagcta gaagctaata ggcaaacat cccttcttgg tgtgtcagct ttcaacatct 480
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 ccctgggaag tggagttttt ttctctagga gtgatgtctc ctggttggtg gggctgggaa 660
 acagccagggt tgtcattctc tgggaccact tgatctttca 700

<210> 1099
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1099

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ggtgttgtga ccattacaac tccaaaggaa agagctttct ctgatttttc tggaagtctc 60
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tttctctagg agtgatgtct cctggtttgt ggggctggga aacagccagg ttgtcattct 180
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ctcaagagac ccatttatgc tggttttctc agggtaagga gttacagaag tccacctctg 660
ctggctcagt ggtaagacac aagcctgcag agtctgctga 700

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<210> 1100

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1100

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gagcttggct ttatcatccg gagctccctt gtggggccaa gtctaaggcc tcagaagggt 60
atagctggct ggccgcatag ttttcttagc tccaggcagc tctcaagaga cccatttatg 120
ctggttttct cagggttaagg agttacagaa gtccacctct gctggctcag tggttaagaca 180
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gaatccaggt tggttccata tcaggtgcc tgagagaaga acacggaggc ctgcacaaga 600
agctggggag agctagcaag gggcagggcc cgagcacctt atgccaagca agcacttgtg 660
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<210> 1101

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1101

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atggagcctt ggttccaacc cacatcatct atctgtgccc agaatccagg ttggttccat 60
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ggggcagggc ccgagcacct tatgccaaag aagcatttgt ggatgctgag ggaaggcggc 180
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tagggtttgc ccacctatg cctggaggc cacctgcagt ttcgaagggt ggggcccag 360
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tgcttttaac cagaccctct gttgggtcct ggagtctctc agaggtctgg accctggatg 600
gctgtgagac tcaggacat gcacagatgc attctcatc ccagccacca ggctcgggtc 660
agaccctatg gctctggtgg gcctaattcc tggtttcttg 700

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<210> 1102

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1102

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tgttgggtcc tggagttcct cagaggtctg gaccctggat ggctgtgaga ctcaggacca 120
tgcacagatg cattctcatt cccagccacc aggcctcgggt cagaccctat ggctctggtg 180
ggcctaattc ctggtttctt gatccctgag aacacctggc acctctggct gctggccagt 240
tgccacctta catcaggcgg gcgctgggat tcacctgcag gcttccttta ggaaggccc 300
tcccctgccc tctgtgccca gccagagggg gcagcctggg tgaggctctc acatccattt 360
cgggccaat gccttgatt ggctggatcc cctcctgttt ctgccctcct tctttccttc 420
aaagcaacaa ggttgtgggg gtgtccagtt ctgtaccac ctctccctca cactgtcaat 480
ctggaatttg tccagaattg gggcccaagt agtgagttct tacacagtgg ttaaacaac 540
aaacaaacaa aaaccccaca caactcagct acaccttggc tcagagaggc catgggatat 600
accgaggatc tcagatcagg agggaggccc ctggagaggt gtggcgggga tcatgtgctt 660
ctctggtttc ttggagaaag ctgactttgt gtaacaaggg 700

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<210> 1103
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1103
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acaactcagc tacaccttgg ctcagagagg ccatgggata taccgaggat ctcagatcag 120
gagggaggcc cctggagagg tgtggcgggg atcatgtgct tctctggttt cttggagaaa 180
gctgactttg tgtaacaagg gaggcataatg gacatggagt tgggtgtttg ggatgtggga 240
accattaggg cagaattaca agaagtcctg tcatgtcggc cacactaggg caacagtgga 300
ctggggcagg ggctgatgac ctgattgtgg aggcagtgga gggctgtttc tgctggggac 360
ccagggtctc cctccaagtg ctctgcttgg gcttgttggg atggggagag gagctggagt 420
tgggatgggg agaggagctg gagttgggat gggtcacagc gaaggctaca gcctggcatt 480
cccataaggg gtaggggtgg ggtgggggtg gacaggaggagg aggacctgaa ggggtgtcca 540
actttccgag acttggaaca gcctggtgag tgttcacac cattcttctg tcataggtgg 600
cgagcagcca gagttctggg cacaggagac catctacccc caagcttgtg cggcctgcct 660
caggtcactg aagaggaccc catttttggg ctttggccat 700

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<210> 1104
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1104
gggtgggggtg ggacagggag gaggacctga aggggtgtcc aactttccga gacttggaac 60
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gcacaggaga ccatctaccc ccaagcttgt gcggcctgcc tcaggtcact gaagaggacc 180
ccatttttgg tctttggcca tcctaagact tgtacaatgg agccctgggg ccctcccttc 240
tctgaccagt gacagccctc acaggcaaag cctcacccctc tagggcctgt cccttcctgt 300
ctgccagtcc ccacagggtc tgcgggttac ccaatctcgc caaccagact ggaagctccc 360
caggggcaag cagcttatct cttccatatt ctcacagtgt tcagccagga ttggcacttc 420
agagcatctc ctgctgctca gcagagatgt agttagcatc tctctatagt agcactttct 480
gagtcctctc cctgggggaa ccaggctaga ctctggggtc cagaggagca ggcaggctga 540
gaggcaaaaa gggcacagag gaataaccaa ccctgcccct gcagtagagc cctgggcaaa 600
acaggccatg accaaccagc agccaagggtc aaagtcccca gaacaagggc cagtgtgtgc 660
atgacatgca gcaggaccgc ttgtctcttt cggcagtact 700

```

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<210> 1105
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1105
accaggctag actctgggggt ccagaggagc aggcaggctg agaggcaaaa agggcacaga 60
ggaataacca acctgcccc tgcatagag ccctgggcaa aacaggccat gaccaaccag 120
cagccaaggt caaagtcccc agaacaaggg ccagtgtgtg catgacatgc agcaggaccg 180

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cttgtctctt	tcggcagtag	tggagataga	aggctgagtc	attaacaact	ttctttttatt	240
aaaaatgtac	ataagtaaaa	ggaacatggt	ttaattgtgc	aaagagtaag	aaatacacagat	300
gagcaaataa	cacgtattaa	agccacctac	gatataccac	ccagaagtaa	ccaggctgtt	360
gaatTTTTtag	agactggggt	gcaaacacat	tttttctactc	ccttgtgcat	atatctggga	420
gctctgccat	atacagacac	agacgcggtg	tccacaggcg	atgcctctgc	tgggaatgct	480
gcaagcagga	gtctatcctt	tcctggtact	ggctcggggg	ccctcctcag	cgcccaggtc	540
actctagcat	ccaggagtcc	aaaggcccgg	ctgtgcaggc	tgcagaggtg	atctagagta	600
gattaggagg	tgcaaaaggc	ttggagatag	gctgaccaac	tgttccagtt	tgcttaggac	660
tgaggagttt	cccaggattt	gggactttca	gtgctaaaac			700

<210> 1106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1106

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caaaggcccc	gctgtgcagg	ctgcagaggt	gatctagagt	agattaggag	gtgcaaaagg	120
cttgagata	ggctgaccaa	ctgttccagt	ttgcttagga	ctgaggagt	tcccaggatt	180
tgggactttc	agtgtctaaa	ctgggaaagt	cccaggcaaa	ccagggccag	ttggtcaccc	240
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tgtcgggggt	ctggatcccc	catccccaca	ccaagcagcc	caggacaga	ggcctggctg	360
gggccttgcc	tcccgtagaa	gctcctgaaa	gttcagcct	gaggcctagg	gagggacagg	420
ggaaagggaa	taaattaagg	cagacagtct	gtcatcacc	aagaaaagg	ccagggtgaac	480
tgtggctgtt	aagggcagct	agggatgtac	aagcagaagg	gttccaatac	ttggctggcc	540
accctccag	ccctggagct	gagtgtgtgg	tccccagagg	ccccagagcc	agagaagtgc	600
agggtgtctg	gattgaaagg	cctcagctcc	ctgggctccc	agagccctgg	tgctcaggc	660
cttaccttcc	ccctcctcca	tctccacacc	ccctggcact			700

<210> 1107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1107

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tgagtgtgtg	gtccccagag	gccccagagc	cagagaagtg	cagggtgtct	ggattgaaag	120
gcctcagctc	cctgggctcc	cagagccctg	gtgcctcagg	ccttaccttc	ccccctctcc	180
atctccacac	ccccctggc	ttcctgctca	gctcttctct	acctaagact	gggagcagag	240
gatgaaggaa	gaggaatcca	ggacagaccg	agctgaaaga	ggagcaggca	ggtgggaggg	300
gacttgggta	gaaaggacct	ctctgatagt	ggcaggaaca	tcctgactgt	ggtctggccc	360
agccggctgt	ctatgcctga	ggatgcctga	ggatgggggg	cccttgaaa	actcagaaga	420
gaggctaggt	gtggaaggca	gagtattggg	ccacagtgga	ataaagaggt	ccacgtccta	480
atgcatgagc	ctatgaatat	gttgctacat	ggcaaagagg	aattaaaact	gcagatggaa	540
ttaagggttg	taaccagctc	acttgcaaat	agagagatta	ccctggatta	ttggtgtggg	600
cccagtgtaa	tcacaagggt	tcttaaatga	agaaggagga	ggcagaagg	tcagaaccag	660
agagatcgca	ttgtgaaaaa	cctgaccagc	cagtgtctggc			700

<210> 1108

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1108

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cacttgcaaa	tagagagatt	accctggatt	attgggtgtg	gcccagtgtg	atcacaagg	120
ttcttaaatg	aagaaggagg	aggcagaagg	gtcagaacca	gagagatcgc	attgtgaaaa	180
acctgaccag	ccagtgtctg	ctttgaaagt	ggaggaagg	gttgaggcc	aaggaatgca	240
ggcagcctct	aaaagctgga	aagggaagg	aaggaaagg	attctccact	agagcccca	300

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ggaagaaatg cagctctgtt gacaccttga gtttagccca gtgagacctg ttttggactt 360
ctgactacag aactataaga aaagaaacgg gccagggtgca gtggccttaca cctgtaatcc 420
tagcactttg ggaggctgag gcaggcagat tgcttgtgcc caggagtttg agaccagcca 480
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cacgtgcctt tagtcctggc tacttgggag gctgaggtag gaggatggcc tgagcccagg 600
agggagaggt tgcagtgagt caagattgag ccactgcact ccagcctgag tgacagagca 660
agaccctgta tccaaaaaaa taaataaata aaaaattgtg 700

```

<210> 1109

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1109

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tgtctctata aagtatacaa aaaattagcc aggtgtggta gcacgtgcct ttagtcctgg 60
ctacttggga ggctgaggta ggaggatggc ctgagcccag gaggagagg ttgcagtgag 120
tcaagattga gccactgcac tccagcctga gtgacagagc aagaccctgt atccaaaaaa 180
ataaataaat aaaaaattgt gttgttttaa gcccctgttt atgataattt gttagagcag 240
caataggaaa ctgatccact gggaaacctt ttgggggatg cagctgcccc aaatccctgc 300
acgtgggttg gactcagcct cacaaggctc tacagcctct ctgtgaaaga ctccattccc 360
tctgggagaa gctcagactc taaagccctg ggcagggaat gggcctccat ggcattggagg 420
gggtcaagaa ggatgcccc caggatagtg cctctgctgg acctctctat aggaagcagc 480
tgctctttt agccccctcc ccaaacctca gtgagctgag gtgctggctc tgagtggta 540
tggaggggct tgctgaggt caggccacct aggacagcta gtcagaggcc acagggcttg 600
gcttaagatt cccaggaagg agttgcatgg cccctccaca catccgcaat actcataaca 660
ctctcagtc ttggccttac taagggaata ctaaggggac 700

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<210> 1110

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1110

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cccaaacctc agtgagctga ggtgctggct ctgagtggtc atggaggggc ttgctgagg 60
tcaggccacc taggacagct agtcagaggc cacagggctt ggcttaagat tcccaggaag 120
gagtgtcatg gcccctccac acatccgcaa tactcataac actctcagtc cttggcctta 180
ctaagggaat actaagggga ctcagtttag ctctggaaaa gctaggacta ctggaaaaaa 240
aagtatagag gaaaaaaaaa agttactgga tgccagccag atctgcaaaa agtccccact 300
ctgccactta ctagctatgt ggctcaaat aagccactag accttttgta gcctcagttt 360
cttcatctgt aaaatgggta taacatcatt tgtcttatct gtctcacagg gtgtgtgagt 420
ctcagggtgag ataacacacg agaaaacatt gtgccgcaca acttgagatg caaacagtaa 480
cgatcacaac cccacatgcc ttttgatagg gtgaatgate acagcatcct gtgttaggga 540
ggaaagggtg agcacagacg cttcaaaact ctgtcttacc cataggcaga aggggtgtagc 600
ctggccaggg gagaaaagga cccagccact gccaccgcc cgcagctcac accggatgtg 660
cgacagagcc accatgcagc cccacaggat gtcctccaac 700

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<210> 1111

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1111

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cttttgatag ggtgaatgat cacagcatcc tgtgttaggg aggaaagggt gagcacagac 60
gcttcaaaac tctgtcttac ccataggcag aagggtgtag cctggccagg ggagaaaagg 120
accagccac tgccaccgcc ccgcagctca caccggatgt gcgacagagc caccatgcag 180
ccccacagga tgtctccaa ccactacaga ctgtggggct ttgctttttt ttttttttt 240
ttttttttta agaaaaagg tttctagttt cttctacatt aaaaacaatc cctccttctc 300
ataaagcaca attttacaga ggaaaaggga gatgtgaaac tatacacaat tcaaatctaa 360
ttaatatata atttttttgt ggaatacaga tggagggaat acatcacaat actaaagggt 420

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attatcttttg gatggtggga ttacaggtga ttatatattt tttatatattc tatagtttaa 480
aaatattcca tgaatgacct taattacttt tacttatttt ttgagacaaa atctcaccct 540
ggtgaccaag gctggagcgc agtggtgcaa tctcggttta gtgcaatctc ggtgtagtct 600
cgacctcaca ggctcaagtg atcctcccac ctcagcctcc ggagaagctg ggactacagg 660
tacataccac catgcccagc taattttttg tagagacagg 700

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<210> 1112
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1112
ataattactt ttacttattt tttgagacaa aatctcacc cgttgacca ggctggagcg 60
cagtggtgca atctcggtct agtgcaatct cgggtgagtc tcgacctcac aggtcaagt 120
gatcctccca cctcagcctc cggagaagct gggactacag gtacatacca ccatgcccag 180
ctaatttttt gtagagacag gatttcgcca tgttgccat gctgggtctc aactcctgag 240
ctcacataat cctcctgcct cggcctccca aagtactggg attatagggt tgagccacct 300
tgactggcct ataattactt ttataatcag aaaaaaaatt ataaataaat atgaaaagt 360
ccaggaactt tcttttggtg agccacacac tgggctcaag gaatcatttg agctgggttc 420
tgcaggggtg ggagtccttg cgcggggcct ggtccttgct gtgtgacct ggagactcac 480
tactttccct cctggcctt tgtttgcctg gtaagacaag atgctcccta gggctccttg 540
cagcttaata agtaaagtat tcgccttggt ctcacccatc ccagctcttt gccagcttc 600
cagtgactcc tctgtgcctg gagagaaggg caagcgcctt actcatgcct tgaggttgct 660
gaccacttcc gtcaccagcc tcgctccttc cagacctgcc 700

```

```

<210> 1113
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1113
ttgtttgcct ggtaagacaa gatgctccct agggctcctt gcagcttaat aagtaaagta 60
ttgccttgg tctcatccat cccagctcct tgcccagctt ccagtgactc ctctgtgcct 120
ggagagaagg gcaagcgcct tactcatgcc ttgaggttgc tgaccacttc cgtcaccagc 180
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tctgcacttc tcagagcctt gcccttcctt gaagaacaaa gcctggccaa attgtgtcag 300
ccttctggcc tgcagtgacc cctgcttaca ttgtacataa caatagctat aacttattga 360
cattaacttc aggtcacata gcaaaagtgc tctcatttaa atcttaggcc accagaggat 420
ccatagacta aaatgttaac agcatctcct ggagttgttg agtggtgtga ccctatgtga 480
tcctcctgtg ccatgagag atatatattt aaccagttt cactgataag ataactgagg 540
ctcagagagg tcaagtaact tgcccatggg cacacagtg gtccatggca gagctgggag 600
gtgatcccta gtcagttccc tccaagtcca ggattttctc actcccacaa tgggtgtctc 660
cttaatgact ctcacattcc agcctctgag ggcaggaagg 700

```

```

<210> 1114
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1114
gatatattat taaccaggtt tcaactgataa gataactgag gctcagagag gtcaagtaac 60
ttgcccattg tcacacagtg ggtccatggc agagctggga ggtgatccct agtcagttcc 120
ctccaagtcc aggattttct cactcccaca atgggtgtct ccttaatgac tctcacattc 180
cagcctctga gggcaggaag ggtatgttct gagttgaaca cacagagagc actcaatgat 240
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cttcctagtg tgtctgggag ctctggggcc cagggacagg cctactgtag ttcagtgttg 360
tattctggca cctggtgggt tctggcacat agcccatggt cattaaatga catgaattga 420
ttgtccattc aaataataaa acaataaata aataatacta gctaacaggt atggagtggc 480
tacaagccag ccacctcagg gagtttccag gacagttagg gagaaacata acactgttga 540

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caagagctac	aacgtagggg	tttacaccaa	aacagtgtct	acgtaaacag	tgtctatcaa	600
agagagaaaa	atgatgggca	gacaccctga	tccttcccac	agtgtctaaag	gccatgccag	660
ccactgtccc	cattacgact	tgcataact	gactgcccga			700

<210> 1115
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1115						
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ttttacacca	aaacagtgtc	tacgtaaaca	gtgtctatca	aagagagaaa	aatgatgggc	120
agacaccctg	atccttccca	cagtgtctaaa	ggccatgccca	gccactgtcc	ccattacgac	180
ttgcatatac	tgactgccga	agcacacaaa	cctgaatttt	ccgtctgcat	ccatcgttct	240
gtctgttcgg	atcacatctg	gatactactg	ttgcctctcc	agactggata	accagtctgc	300
tgagggccag	aagatggtga	gatggaaact	agtcattgtt	acttggagaa	gagaaatgaa	360
gaccgtcttt	aacacctgac	aggttgctct	tcccaagagg	ggccagaggg	caacagccat	420
gggtcaacagc	tccaggcacc	cctgaggaag	cctgctccag	ctggcagggg	tgtctggcaa	480
gggaccagtc	cctcctctgg	agaagtgggt	agcccagtgg	gctgcctctc	cagcaggatc	540
ctgtagagac	cttactctct	acaatgcaca	ctccacacac	ttgctcactt	gacaaacact	600
tattataact	gtcacctctg	gcccattcca	ggtttagggac	ataaggatga	ataaaaacaag	660
gtctgtacca	gtagagaaca	tcagtcccct	aggggagaaa			700

<210> 1116
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1116						
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ggcccattcc	aggttagggg	cataaggatg	aataaaacaa	ggctctgtacc	agtagagAAC	180
atcagtcccc	taggggagaa	agtcaggaaa	gcctcatcct	gagccttcga	ctccttactg	240
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cagtgaccag	gcatatggca	gataatcaac	aaatacaggc	atccctgaag	aggggtatcct	360
gggataaaaag	ccccagctgg	atcagtgtca	tacagggggc	aactgggggt	gggttccagg	420
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caaagaatgt	cctgcaatcc	taaattccat	aatgatcttt	atcttctgtt	ccctctgagg	600
ctcctcaatc	tgacagtaaca	gctgtgggtc	agcaagcagt	gcggcactct	ggagtgtctg	660
tctgaaacag	ggccggcgtg	gggcagagct	catctgtctg			700

<210> 1117
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1117						
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atataatgtt	agtttaacaa	ataatcataa	agcaaattctc	tataaaacca	ctgctgctct	360
gcagtgcacac	ctgcttcccc	ctaagtcctg	cataacaata	gctacaattt	actgaccatg	420
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tcacgccact	gagggatata	ctgttttctg	tagagaagtc	cagcagagtc	actgtcctgg	600
ggggcatcct	tcttgatcgc	ccccatgccca	tgaaggccca	ttccttgccc	agggtctctag	660

agtctgagct tctccaagag ggaatggagt ctttcgcaga

700

<210> 1118

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1118

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cccccatgcc	atgaaggccc	attccttgcc	cagggtccta	gagctcgagc	ttctccaaga	180
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cagggatttt	gggcagctgc	atatccca	tggtttccca	gtggatcagc	ttcctgttgc	300
tgctctaata	aactaacata	aacttagggg	cttaaaacaa	cacaaatttc	ttttcttata	360
gttcctgtagg	tcagaagtcc	aaaacaggtc	tactgggct	aaactgaagg	tgtcagcagg	420
gctgcattcc	ttcctggggg	ctctagtaga	gaatctcttt	cctttcttcc	cctttccagc	480
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ctggctggcc	aggtctttca	tatttgcaa	tctctctgct	tctgcttctg	acccttctgc	600
ctctctcttc	tccatttaag	aatgcttggt	attacattgg	gctcaccac	cccagtttct	660
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<210> 1119

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1119

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gaatgcttgt	gattacattg	ggctcaccca	ccccagtttc	taccaataa	tccagggtaa	180
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tactaatcac	aacccaacc	ctcccttctg	cataagtaga	catttgtaat	aattctgtgc	300
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atTTTTgtcta	aaaggaatta	tactgtatgc	attcttttgc	aggttttatt	cattgatgag	420
tcatttgcta	ttacagtatt	attatccaat	atgacaatat	tacagttatt	gcaagtcgct	480
gtagttcatt	tcactccagg	aacactgcac	aatttatttg	tactctccac	tttgatgggt	540
catttggaca	ttttctgggtg	ctgtgtgggt	attctgtgtgc	acatgggtaa	gagtgtgggt	600
tgagaagatt	ctgaggagtg	ggactcttgg	gttacagggt	atatatatgt	tttcatcttt	660
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<210> 1120

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1120

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gggactcttg	ggttacaggg	tatatatatg	ttttcatctt	ttaaaaaaat	ttatattatt	180
cattttttta	aagactagtc	actgggcgcg	gtggctcaca	cctgtaatcc	cagcactttg	240
ggaggccgag	gccggtggat	catgagggtg	ggagattgaa	accatcctgg	ctaaccagggt	300
gaaatcccat	ctctattaaa	aatacaaaaa	attagccagg	cgtgggtggca	ggcgcctgta	360
gtcccagcta	ctcaggaggc	tgaggcaaga	gaatggcgtg	aacccgggag	gaagagcttg	420
cagtgcgctg	acatcgcgcc	actgcactcc	agcctgggtg	acaaagcgag	actccatctc	480
aaaaaaaaaa	caaaaaacaa	caacaaaaaa	agactagtca	agggcagtag	tgagaagggg	540
gaaaagagta	gaacaaggag	ttcgatctgt	aactgactgt	gaagtcaatt	gagataattc	600
actaccttca	gatcagccat	gttttcatct	ttaccagatc	acttatatgc	tttattttct	660
ttactttatat	actttttta	cctgaaagtg	tttctcaggg			700

<210> 1121
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1121
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 acaagggcta cagagaagtc cgggccacaa acctcaatgt ttcagcagca cagctgtga 480
 gaaaggaatg tgcaagctgt ttgtggagca tgccttgggg gtgccaaggc cactggtgca 540
 aagggtgtgct tctggacata agtcactcca cacaatgctc accccaaccc tgtgagggtac 600
 ggtactgtca tccccatgtc acagaatgaa gacactgagc tgcacggaca ttgagtgtct 660
 gtcaatacag tgcaatgggt aatagcatgg gatctaggtc 700

<210> 1122
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1122
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 aagtcactcc acacaatgct caccccaacc ctgtgaggta cggtagctgc atccccatgt 120
 cacagaatga agacactgag ctgcacggac attgagtgtc tgtcaatata gtgcaatgg 180
 taatagcatg ggatctagggt ctgtttaaat tgggtttaaa ttctgacttc ccacttact 240
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 aatggggcta attggctcac aggggtgttg agagaggtaa aagatgtaat gtgtagaagg 360
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 gaaatgatga ccattataga gttcaagggt gacaggggtg aatggggggg tgtcctggca 480
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 ggtggactct gaaacatgga cacctggaca gtccctccac tgacctgtc cacctttgtc 600
 cggagctctc tacctatctg tggctgcttc caaggacggt gatttctgac agaggcagct 660
 ggaccttggc acatgcagaa gtttcagctc agcatcagtg 700

<210> 1123
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1123
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 acacctggac agtcctccca ctgaccttgt ccacctttgt cgggagctct ctacctatct 120
 gtggctgctt ccaaggacgg tgattttctga cagaggcagc tggaccttgg cacatgcaga 180
 agtttcagct cagcatcagt gctggccttc aggaggccgc attggcaggc ggcagcagt 240
 acagccaatg ggcagcaaag cttgttgcta aggtcactgt gagccttatt tggtgacaca 300
 gggctgaccc tgcattcacc tctgagaacc ctgggaaacg ccaaccacag atgtgaaata 360
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 cagcctgcct cctccgctg gatgtctttt gtacaatggc tcactactgc aagaggcaag 480
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 gggcaggggc tgctgtgcag gcgggccccag gaccttcaag gacctccaag acttccgttc 600
 acaccagca gctgccaacc cctgcccagg cctcccccaa cacagccgga gggcctgttc 660
 ctggccccac ttctgcagc cttgggaagc cggctagctt 700

<210> 1124
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1124

```

gtctgtctaca agctagtcct gggcaggcct ggacagggag agggcagggg ctgctgtgca 60
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ccttgcccag gcttcccca acacagccgg agggcctgtt cctggcccca cttcctgcag 180
ccttggggaag ccggctagct tgagaaaggc gtgtggcact catggaggaa gtgggcccgc 240
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gttggcggtt tcagtttttc acctcccttt ggtgcatctt ccagcttatc attaaataag 360
taaaactggt gctccacccc agacaaatgt gggagggaag ttgtgtcttc aatatttccc 420
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atgtgtcagg gacatgaatg aattcacaga attcactgta attgtcccca ttttacagaa 600
gagaaaatga gacagagaaa ttcagtcatg ggctcaaggc catcacataa ctaggatttt 660
ctcccagatg gctgagttcc aaagtctgcc ctattctctt 700

```

<210> 1125

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1125

```

atccttgcaa ccctggcaaa ggtaatgact gagctcacac catgtgtcag ggacatgaat 60
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attcagtcac tggctcaagg tcatcacata actaggattt tctcccagat ggctgagttc 180
caaagtctgc cctattctct tctgctacat tgcctccatg gcacatacac aagaatgagt 240
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cggtgtcttc tcagtccaca tctcctccca gaggatgggt caccaacgtc cttcatctgc 360
cctccccctt taaaaaccac tgtcagcccg gcacgggtggc tcatgcctgt aatcccagca 420
ctttgggagg ctgaggtggg tggatcacct gaggttggga gttcgagact agcctgagca 480
acatggagaa acccgcgtct tactaaaaac acaaaaattg gctgggtgtg atggtgcatg 540
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aggttgcgat gagccgagat cacgccattg cactccagcc tgggcaacaa gagtgaact 660
ccatctcaaa aaacaaacaa acaacaaac aaaaacactg 700

```

<210> 1126

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1126

```

ctactaaaaa cacaaaaatt ggctgggtgt gatggtgcat gcctgcaatc ccagctactc 60
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tcacgccatt gcactccagc ctgggcaaca agagtgaac tccatctcaa aaaacaaaca 180
aacaacaaa caaaaacact gtcattgcccc caccgccagc ttgtctccct ttcttttttag 240
gtgtggccca cagagctcag tgcctgcct atctggaaga ggctgtgaag cccatctatg 300
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ggagctgtgg gcggaagagc tggggcatct gttcacagaa tcctccccctg aagttgctcg 480
gaggggctgg gatgcagtcc agacactggg gagcctgatg cagacgcctc cctggagcac 540
tgtcctcttc ttgggtctct caagcctgcc ctcatcatg aacacatatt ttttgtgtgt 600
acttctctgca tgcaggcac taccaggca ctgtggatgc acagtgaaca acacagacca 660
ggtccacgag tcacagactt tacttccctg agggaggcag 700

```

<210> 1127

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1127
cagacactgg ggagcctgat gcagacgcct ccttgagca ctgtccttct cttgggctct 60
tcaagcctgc cctcactcat gaacacatat tttttgtgtg tacttcctgc atgccaggca 120
ctaccagggc actgtggatg cacagtgaac aacacagacc aggtccacgc gtcacagact 180
ttacttcctt gagggaggca gacattaggg aaataatcac atggatctct gaaaaacata 240
gctcctacga gaggggtgcaa cttcaggggt cttaacctac aaaggagtgt gtgggattag 300
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caagcgatgg ctttgccagc tgttgctttc agtggttgtg cctgggtgag cacagccggt 540
atgaaatggc ccagattaat cgagagccag gccctccta aagtacctct gaaaagagtt 600
tttcagcata agcatgacat tagcttttcc tagagaggaa accacccccg gggctgacag 660
caagcaggcc aggcttaag gaagcaagtg cagcgctggg 700

```

<210> 1128

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1128
ctgttgcttt cagtgtttgt gcctgggtga gcacagccgg tatgaaatgg cccagattaa 60
tcgagagcca ggccctcct aaagtacctc tgaaaagagt ttttcagcat aagcatgaca 120
ttagcttttc ctagagagga aaccaccccc ggggtgaca gcaagcaggc caggcttaaa 180
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ttgtggaaaa gaaaccccaa cagttagggg agcgagtga actggaaaat gaaactgtga 360
tttacagttt cattttccag tttcaattta gaagcagctc tgccagcttt ccagtccccg 420
tgcctcaggg catcacagag gagctgaggg gcaggaaaaa gtgttccagc cagcaagcac 480
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gggtgattctg atgcaggctg tggacctcac catggcagtc gtggcctcag agaccatcag 660
aacagctaga gcacacctga ggcacggcct catectctcc 700

```

<210> 1129

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1129
cagagggcgg gtactggact ggtagaaccc actgagcagg gagttgttgc aatgccgatt 60
cctggctctc caggtctctga ggccgtacgt ttgggccctt tgggtattct gatgcaggct 120
gtggacctca ccatggcagt cgtggcctca gagaccatca gaacagctag agcacacctg 180
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gggacctgag gtctgtagga aaccccggt gtggacttca cacaagggtc gctctttccc 360
aactccagg tttcccttta agctgcta at ttgtaacagg cattcataga aacagaataa 420
gatagagaaa ttctattaaa ggaacttatg tgccttttgc ctgtctgttg ctccatttat 480
ttgcaattta tagcctaate caagaggatt taaggacaat taaatatttc tttccctca 540
gtgtgtgtgt gcgagtgcac gtgtaagagt gtgtaggggt tgggtcttcc aatgtacctt 600
tgccctggtt tgaccgtggg gggagagggg gggcaggtct ccaggcctgc cagatgtaga 660
cctttcctaa tgtctacagc aaatttgttc ttcagtgttt 700

```

<210> 1130

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1130
ccaagaggat ttaaggacaa ttaaattttt ctttccctc agtgtgtgtg tgcgagtgca 60

```

```

cgtgtaagag tgtgtagggg ttgggtcttc caatgtacct ttgccctggt ttgaccgtgg 120
ggggagaggg tgggcagggt tccaggcctg ccagatgtag acctttccta atgtctacag 180
caaatttggt cttcagtgtt tctagtatca gtttttgatc aatcattaat caaagttgca 240
ataaaaagat aatctttctca ggactaggct ataaagggtc tggctgcaac cttaaaaaac 300
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ggaggcagga cagccccag gaccacagag ccccatagtt ggaggagcc actacttggg 660
cggctcagct cattctgtct gacttgctgc tgtacagggc 700

```

```

<210> 1131
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1131
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ggaccacaga gccccatag tggagggagc cactacttgg gcggctcagc tcattcctgc 180
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acgagaaata aagcaagcag ctgttcctct cttgggcca gcaggggtca gaggctgtgg 300
gaccttcaact ctttccctct cagtggagag ggcagatctg ctctttgggg tgtgagggca 360
cagcctcctg acaagctgga gaagcaggat ttaagagcta gaatcaacgg agaattgtag 420
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gcctagcgca gcccagacca acagactgag gagtccagag agccaacatg ctactcggc 540
catcgctaag atgtgtagtg tgtgagaagg tgtgagaggt actcggttt ctctctccaa 600
ccccttccaa catattattg ggtcgtgggt gccatgttt tagtagacac ataaaataaa 660
tgagtatttt cagagaagtg caaccctgga ggtgcagggg 700

```

```

<210> 1132
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1132
aacagactga ggagtccaga gagccaacat gctcactcgg ccatcgctaa gatgtgtagt 60
gtgtgagaag gtgtgagagg tactcgctt tctctctcca accccttcca acatattatt 120
gggtcgtggg tgccatgttt ttagtagaca cataaaataa atgagtattt tcagagaagt 180
gcaaccctgg aggtgcaggg gagtgaactc agccatgaga aatcattcaa aggattgacc 240
tatggaacag ggatagactt gctctccatg gctccagcag ggaagcagca gagaggggaa 300
cctttcctga aagtccagtg tgacatctga agacacacac acacacacac acactttttt 360
gagagagaga acgagaatga aaagatacac actgatcttt caacagtcgt tgtctctacc 420
tggtgattgc gaatgatttt aatttttttc ctcttggtgt tacagtattt tctaaaatct 480
ctaaaataca cccaaattac tttcttggtt tggcaaaata gacataaaat gtctacatcc 540
attttaacca tttttaagtg cagagttcca tagtatgaag tacattctca ctgttggtgca 600
gccatcacca ccatccatct ccagaacttt ttcatcacc tcaacataaa ctctgcatcc 660
actaagcagt atctccctgt tcttctcctt tccagcccct 700

```

```

<210> 1133
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1133
ctttcttggt atggcaaaat agacataaaa tgtctacatc cattttaacc atttttaagt 60
gcagagttcc atagtatgaa gtacattctc actggtgtgc agccatcacc accatccatc 120
tccagaactt tttcatcacc ctcaacataa actctgcac cactaagcag tatctccctg 180

```

```

ttcttctctcc ttccagcccc tggcaaccat ccttctactt tctgtctcta tgaatttcac 240
tattctaggt acctcatata agtgggatca tctggtattt ttccttctgt gtctggctta 300
tttcacttag cataatgttt ttaaggttca tctatgttat aacatgtacc agaatttcac 360
tccttttttaa agctgaatta tgttccattg tacgtattca ccataatttg tttatccact 420
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caaactactgg tgtacaaata tcactttgag tccctgcttt caattctttt gggatatattc 540
ctagaagtgg aactgcggga tcatatgata actaagtttt tgaggaacca ccacattgtt 600
ttcaacaaag gctgcatgat tttacgttcc caatagcaat gcacaagggg atctatttct 660
tcacatcctt gccaacactt attttcaggt tgtttttgtt 700

```

<210> 1134
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1134
atcactttga gtccctgctt tcaattcttt tgggtatatt cctagaagtg gaactgcggg 60
atcatatgat aactaagttt ttgaggaacc accacattgt tttcaacaaa ggctgcatga 120
ttttacgttc ccaatagcaa tgcacaaggg tatctatttc ttcacatcct tgccaacact 180
tattttcagg ttgtttttgt tgttttaaaa tagccatcct aacagatgtg aagtgggtatc 240
ttacttatta tgggttttcat ttgcatttcc ctaatctaaa ttacgtttta aaatccaatc 300
ctctctgaat tgaacccttt gttctttatt tctcaataaa atggaccttg cccctttttt 360
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aaactttacc atcttaacca ttttcaagt tagagtccag tattaagtat attcacattg 480
ttgtgcccta acccaaatat agtatataat ggcaaaaaga aacaaaaggc tctctaaaga 540
aaaagaaagc cgtgaattct tggaccccag agatgttcac aaacagattg gatcaatctc 600
agcagggact ttcattcatc ttctgagcat ctctgctggg ctgggctctg tgccaggcag 660
ggggctccga ggtgagtgtg gcctggactc tgcccttggg 700

```

<210> 1135
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1135
tagtatataa tggcaaaaag aaacaaaagg ctctctaaag aaaaagaaag ccgtgaattc 60
ttggacccca gagatgttca caaacagatt ggatcaatct cagcagggaac tttcattcat 120
cttctgagca tctctgctgg gctgggctct gtgccaggca gggggctccg aggtgagtgt 180
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gtggcacatg agttcaggtg ggaaggatga gcagacatgt acatgtgcag agaagggaac 360
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taatcattta tgtctgtctc tctacttgat tataagctgc atgagagcag ggctgggtgt 480
tttgttcact gctgcattgc tgccatgccc agcacaggca agtgtaaaag aaacacttgc 540
tgaataaatg agtggttgat gacgaggaaa aaggagacat ttctttccag aatcttggct 600
gtaagcagca gacagcatgg ctgtactcca cggggaaggc aggatggcag gaagcattat 660
acaggtgatg gagacaggag cacagcagga gccagtggag 700

```

<210> 1136
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1136
ctgccatgcc cagcacaggc aagtgtaaaa gaaacacttg ctgaataaat gagtggttga 60
tgacgaggaa aaaggagaca tttctttcca gaatcttggc tgtaagcagc agacagcatg 120
gctgtactcc acggggaagg caggatggca ggaagcatta tacaggtgat ggagacagga 180
gcacagcagg agccagtgga gaagaagagt ttgaagattc cctggttgag agaatggaag 240
ggcgtaattg ctggggagag gtccctgaag aaaggggaga ggctgggatg caggctcagt 300

```

```

ggaaggagag gagtctcctt atgagactca gatggccagt gtgaaaaaga cagaagatac 360
caactgctgg taagaatggg aagcacactg catggggaac tctcctatac tgctggaggc 420
gtgttcttcc tgttattcta gattcagaca gcactctggg cgctgggttg tgcaggccac 480
catttggggc aattagagga accccaatat ctgcacttgg actatcagaa atgagagctc 540
tacgcccaga gcaatttcca agatgggcct gaatccatga gtcattggcac taaatggagc 600
ccagggttgg ctctgagcct aacagcctcc aaaatgtcaa ctttgttcac gtgccacttt 660
gtccctcatc tcatgccatg cagctggcag gacttcagtt 700

```

<210> 1137

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1137

```

aacccaata tctgcacttg gactatcaga aatgagagct ctacgcccag agcaatttcc 60
aagatggggc tgaatccatg agtcatggca ctaaattggag cccagggttg gctctgagcc 120
taacagcctc caaaatgtca actttgttca cgtgccactt tgtccctcat ctcatgccat 180
gcagctggca ggacttcagt tgacagaagg tagaccctgc tcttttcaaa aagcacacag 240
gacaggtgct gataggccag cccctcccac tgagctctag ttactgcggg gaacttcacc 300
aggagggttc gcacccactg tggctctgcc tgaggggcct ctgtgcacac tcagtccagg 360
cactagcatc ccagcgcccc gccagtggtc caactccaga ctactacac agagcccctt 420
gcaaccgatg tgtgccaaca tggagcccac acagggcagc tcagcgtgac acctgcacag 480
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taccaaatgg cattatactc tctgtggggg agcacagatg agtgtccggc agtccctggg 600
atgatgttac agtccagagg tggggatgag atgagcccag atgatgcaat ggggatgcaa 660
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<210> 1138

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1138

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aatgcatctt ctttctcaag ttggaagagg ctgtactgaa ttaccaaagt gcattatact 60
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gtggggatga gatgagccca gatgatgcaa tggggatgca atcaagacac gatgtcatta 180
gaagccacag tgtgttctct catgccacgt gtttcccagc ttagaggagt aaggggtcaa 240
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caaacgcaca gaattcaaga gctagccagg cctggaccca tgtaggagag cccactggc 360
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cccagaacat atgtccact gtccccagtc taaccacaac cccatatgag ctgtgtccca 480
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actgcctgga gctctgggga gaccaccaag gggccatttt tgtggttagg aaatgtctgt 600
ggcagctgtg gacaccacag gccctccctg gacccttctg aagtagaggt cacattccta 660
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<210> 1139

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1139

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tgggaagtac ctggcatggg gccctccgct tcctcccat gactgcctgg agctctgggg 60
agaccacca ggggccattt ttgtggttag gaaatgtctg tggcagctgt ggacaccaca 120
ggccctccct ggacccttct gaagtagagg tcacattcct aaagattctt aactgccagc 180
tccaattgct tcttctgac aggtcatct tagtagggag tgaatataat ctttcccag 240
ttccacgagg tcctctcaga tccaaaatgc tctaagttca aaggcaaatc atgaagaaag 300
ggagacgcag atactaattt gtggttttag ttcagtgggt ttccaccttg gctacacagt 360
agagttacct aaggagcttt ttaaaaatac tcatgtccaa atattccaac aggcactttg 420

```

```

caaagagaag atctaaatgg ctaacaaaca tatgaaaggt tgctcagctg tattagtcac 480
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catgaaaaaag atagaaaaata tctatgggttg gcaaaaaatgt gaagcaacca gaactctcat 600
acattgctgg agggagtgtg aatgggtaca gccacctggg aacattatctt ggcataagggt 660
actaaagctg aacatactca tatccatgct tccccagcaa 700

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<210> 1140

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1140

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accacactgt gataccacta catacctgcc agaatggcta acatgaaaaa gatagaaaat 60
atctatgggtt ggcaaaaatg tgaagcaacc agaactctca tacattgctg gagggagtgt 120
aaatgggttac agccacctgg gaacattatt tggcataagg tactaaagct gaacatactc 180
atatccatgc tccccagca atggatatac atgtactcca aaaatacaca ctagcatgtc 240
attgcaatag tcagaatagt tccgaattat aaataacaac tcgaatatcc aaaaatgcat 300
cacagtagaa tggataaatc gaggaatatc catagagtgg aatactctat agcaagaaga 360
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gtaccagggg ttgctggtga tgttctgttt catgatattg atgctggtta ctcggggtaa 600
attcattttg tgaaaattca ctgagcttta cacttatggt ttgtgctttt tttttttttt 660
tgcatatatg tcatccttca acaaacactt aaaaaatggt 700

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<210> 1141

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1141

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aatggacatt agcctttgga gccaggtagt aagtggaagg ggtaccaggg gttgctggtg 60
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actgagcttt acacttatgg tttgtgcttt tttttttttt ttgcatatat gtcacctctc 180
aacaacact taaaaaatgt ttgaaaaccc catcaattca gtcagactct ttgggtggga 240
gcaagatcca ggcacagta ttttttaata tcccagatga tggtaatatg cagccaggat 300
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tgacaaaggc cacttccagc tcagtggagt gagacactgg ggtgggaaga tgtccatttt 420
ttggatgtgg gtcagtctct tgcacaggca gaggtattgc agcatgctgt tgtaatgtgt 480
atcttccttg gcagtgtctg ttgaaagctg gttgcatcag tttgtaatgg ggtgtaatgg 540
caacaagggt ggcccagccc cccccaggaa gtggatcact gagcacagct tctacagggt 600
catttgtaga gaggtggcag ctgggcttcc caggggctgc caccagggtc agagccaggt 660
ctgaggctct gacaacctcg gcagggtggg gagaaggcca 700

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<210> 1142

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1142

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gttgaaagct ggttgcacac gtttghtaat ggggtgtaat gcaacaagggt gggcccagcc 60
ccccccagga agtggatcac tgagcacagc ttctacaggg ccatttghtag agagggtggca 120
gctgggcttc ccaggggctg ccacccaggg cagagccagt gctgaggctc tgacaacctc 180
ggcagggttg ggagaaggcc agactcaggg tgtttatggt tgtgggtaat gacagtcagc 240
tctgggctcc agatgatgct tactccctgg cctctgtgtt cagattagga acttgcaaca 300
tcttgtgtag gaccatgtca ggctcagctc taagtgtgtt ggctgagaat tttccttctc 360
ctctgtgtgg ttagtggcag cctccctagc aatggctgac ctctagcata ctctgtcaaa 420
ctacaggcag ctgggacaag acaggacatg gggctcacag acaggatttc cacaacctgg 480
gccctgtcaa ccctcccaga aatgcatggg ccatgaacct cctgctgtgg gaggggcagt 540

```

```
gcagagaagt ctcaataagc ttctcttggc cctctgggat ctccaccatc cacagtgtgt 600
agggctgagc tgcaggctgg gtcttcagggt ggtgtccctg cacatctgct ttgcagcgtg 660
gcgtctatag agcaagagtg aacaggaagg ggcctcgggc 700
```

```
<210> 1143
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1143
aaatgcatgg gccatgaacc tcctgctgtg ggagggggcag tgcagagaag tctcaataag 60
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ggtcttcagg tgggtgtccct gcacatctgc tttgcagcgt ggcgtctata gagcaagagt 180
gaacaggaag gggcctcggg cctcctgtag ctctgctggg cagggacgct gcggggcctc 240
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cttcactggc ttcagcctcc tctctgtgaa atgggggcaa tgtcccttag gccttttctt 480
cctgtccagt agggctgagg gtctacaggc cagagggagg cctgggctct gaggcctgtg 540
cctgtgtggc ctctggctgg gacctcagcc cccatgtgcc atgtcacctc ccttgtctgt 600
gaaataccac aacagcagct cttgccagcc agtgacacta ccccttctctg ttgtcttctt 660
tacaagcat ttatgaaatg cttccttttc atgtctcagg 700
```

```
<210> 1144
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1144
ggtctacagg ccagagggag gcctgggctc tgaggcctgt gcctgtgtgg cctctggctg 60
ggacctcagc ccccatgtgc catgtcacct cccttgtctg tgaataacca caacagcagc 120
tcttgccagc cagtgcactt accccttctt gttgtcttct ttacaaagca tttatgaaat 180
gcttcttttt catgcttcag gaaaccggtg gccaggagga gttcttgatt tcattttctt 240
ccctagagat atgtgtgctt cgaaatacac aaattaaaca aaaacgaggg ctgactggga 300
ccaggagagt gagtgatcct ggcttccctt gatttacatg cttattttcc ttctcaaate 360
actccagtaa gtacagaagt cactaatcta ttgccctcta ttatctgcat tatagttaaa 420
aacatcgaca tgaacaaaca aaagcccttg cgtagcctag agaagtcaca aagctcacac 480
ccagactctc gcctaagaga gtctctcagg gctcactcag ggactattta ttcttgtttt 540
atTTTTTTaa atgttgatac cctctctgct tgagtatcct tgttttagat gcaaatcaga 600
aaagggttgc gtattgatca cagtccagc aggaacaaa tgcacactcc actggtaaca 660
ggagagactg aggaaaggac cgtttccaag ggtgagcaag 700
```

```
<210> 1145
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1145
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ccctctctgc ttgagtatcc ttgttttaga tgcaaatcag aaaagggtgc tgtattgatc 120
acagtcccag caggaaacaa atgcacactc cactggtaac aggagagact gaggaaagga 180
ccgtttccaa gggtagcaaa gatgaagaga aacctcaag gaaagggtgaa gcatcctgca 240
gccagcaaca gtgggagctg tgaccaccaa tcccaggga ggagggtgga gggctcctgg 300
aaccagaga gacctgtagg aggggactgc cggcaggagc tgtggtttta gggtgaaaaa 360
cacaggcact attgacctga gacctggcaa gggaggagagc tgggggggata aagcacctcc 420
catttccctt cccagcctcc aacctctggg caggggaggg gtcttcaatt ggccaaaccc 480
aactggaagc ttggggacct ggagcctggc tgatggaatc cacaagggtc aaatcctggg 540
aggagtggga aagagcagaa aatcaactgg agcagggatg tgtggggggg tggcaacaaa 600
acaatgcccg gcagagtcac cagggctggc catttgaaaa gagtacatca gaagctaacg 660
```

tgctgtaatg tggcactctc accacaaata cataggatga

700

<210> 1146

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1146

tggagcctgg	ctgatggaat	ccacaaaggt	caaatcctgg	gaggagtggg	aaagagcaga	60
aaatcaactg	gagcagggat	gtgtgggggg	gtggcaaaca	aacaatgccc	ggcagagtca	120
ccagggctgg	ccatttgaaa	agagtacatc	agaagctaac	gtgctgtaat	gtggcactct	180
caccacaaat	acataggatg	aaaggcagcc	agggacagag	gcggccacga	agaaagggtt	240
aaagaatccc	agcaaaatga	ctgggggtcct	cattatggaa	gaacaaatag	ctttacttaa	300
taattccaag	gtaatagctt	aatagcttaa	taattccaag	gtaaacaagt	attttcataa	360
ggaggactct	gaatgatcaa	cagaagggtta	aatgtcactg	tactgcttca	cagagctggt	420
acagggcagg	gaagactata	acacaatgta	gagatagatc	catacaagag	aggtacaaca	480
gggtttccag	ttcaacacat	cagttattta	cactcctagt	ttcctttctc	tcctgaagca	540
ccactaaaa	gctagtctag	aaatcaaatg	gggccagggt	cagtggctca	cgcctataat	600
tccagcactt	tggtaggcca	aggcaggagg	atcattagag	tccagaagtt	caagaccagc	660
ctgggcaaca	tagcaagacc	ctgtcttaaa	aaaaaaattg			700

<210> 1147

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1147

tcagttat	acactcctag	tttcctttct	ctcctgaagc	accactaaaa	tgctagtcta	60
gaaatcaaat	ggggccagggt	gcagtggctc	acgcctataa	ttccagcact	ttggtagggc	120
aaggcaggag	gatcattaga	gtccagaagt	tcaagaccag	cctgggcaac	atagcaagac	180
cctgtcttaa	aaaaaaaaatt	ggctgggtgt	ggtggtgtgt	acctggagtc	tcagctactc	240
aggaggctga	ggtgggagga	tcacttgagc	ccaggagt	gaggctgcag	tgagctatgg	300
tcacaccact	gtactccagt	ctgggcgatg	aagtgatacc	ctgtctctta	aaaaaatcaa	360
atggggccag	gcgcggtggc	tcatgcctgt	aatcccagca	ctttaggagg	atgaggaggg	420
tggattactt	gagatcagaa	gttcgagacc	agcttggcca	acatggtgaa	accccgactc	480
tactaaaaat	acgaaaagta	gtcaggcatg	gtggcacatg	cctgtagtcc	caggtactcg	540
ggaggctgag	atatgagaat	tgcttgaacc	cgggaggcag	aggttgcaat	gagccaagat	600
tgtgccactg	cactccagct	tgggtgacaa	ggcgagactc	tgtctcaaac	aaccaaccaa	660
ccaaccaa	ggtattaact	ctcaaaggca	aagagaatgg			700

<210> 1148

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1148

agtcaggcat	ggtggcacat	gcctgtagtc	ccaggtagtc	gggaggctga	gatatgagaa	60
ttgcttgaac	ccgggaggca	gaggttgcaa	tgagccaaga	ttgtgccact	gcactccagc	120
ttgggtgaca	aggcgagact	ctgtctcaaa	caaccaacca	accaaccaa	tggtattaac	180
tctcaaaggc	aaagagaatg	gtaaaggaga	catgagtggc	tgaaagagtt	ccccaaacta	240
caggaagctg	ggaggcagggt	ggaggaataa	tgactgacat	ggaggaagct	aggctctgaa	300
gggcttgacg	aggggcacac	tgacaggagg	caagccactt	taccctgga	accctgcagg	360
aggagctcag	acttggggag	tccagggtgt	gtggctgggtg	gggctgaggt	acagcagcca	420
gtgggggtaa	tgaatggagg	aaactgggtg	aaatcctccc	caggtctcac	ctccacaccc	480
tgccccacac	agctggagac	aaagacactg	aacaggagag	agacaggcag	gagggagggc	540
agatgaatac	agggatgaaa	acaggagggt	gagggaaaag	tctgaagaat	gaagcgtggg	600
actcaatgtc	ccaccactt	accttgcccc	gccccacccc	aggtatatat	cactctggat	660
gagggtatgg	tgaatttaaa	agatgggtgc	aaattccttg			700

<210> 1149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1149

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caaagacact gaacaggaga gagacaggca ggagggaggg cagatgaata cagggatgaa 60
aacaggaggg tgaggggaaaa gtctgaagaa tgaagcgtgg gactcaatgt cccacccact 120
taccttgccc cgccccaccc caggtatata tcaactctgga tgaggggtatg gtgaatttaa 180
aagatgggtg caaattcttt gacatttctc caatggagag gtgggtctgt gtctccttcc 240
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gtgcctcgta agagggtccaa tgaccaggcc atgggtgctgg agacatcatg tgtagtctct 420
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gtcattccag tcatcctagc cgtcgtagag cagagaattg cccttctgac tccttgacag 600
tggcccaaaa aatggttgtt gttttatgct actaagtttt gaggtgggtt gttatgtagc 660
gttcaataac tagaactagg agttagaatg cttctcttga 700

```

<210> 1150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1150

```

gccccagctg ttccaactcc cagttattcc agtcacctcg agtcattcca gtcactctag 60
ccgtcgtaga gcagagaatt gcccttctga ctcccttgaca gtggcccaaa aaatggttgt 120
tgttttatgc tactaagttt tgaggtgggt tggtatgtag cgttcaataa ctagaactag 180
gagttagaat gcttctcttg aggagctgaa tggcttcagg gtgggtgggt tcaacagggg 240
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acaatgcatg agacagcctc tgacaacaag gaattctttg gcccaacatg tcaactagtag 420
caaggtttaag aaacctagct ctagagaaaa ggtgctcatt ggaggcttgt taactaaaag 480
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tcagcctttt attgctccat taataaatac caacagatag ctgagatatt tggcatttaa 600
ggaaaagcctc caacaaggag agatggagag acagagagag ggagaagaaa aagaaaagcag 660
aaggaaaaag gaagaaggat taaagaagag ggaagaagaa 700

```

<210> 1151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1151

```

tgaaacccca gttgataaat tctccccaag cagagtttag ttcagccttt tattgctcca 60
ttaataaata ccaacagata gctgagatat ttggcattta aggaaagcct ccaacaagga 120
gagatggaga gacagagaga gggagaagaa aaagaaagca gaaggaaaaa ggaagaagga 180
ttaaagaaga ggaagaaga agaacaagag gaagaggagg aggaagaaga agaagaagaa 240
gaaggatgac gacaacgaca acaacaacaa caacaagaag cagccaccac cgccgctgcc 300
acctccaggt agaaacaaaa acaaaataga gactagaaga ctattaagac aaatggacaa 360
atgaaaaata aatagtgcct caagaagaat aggatggaga tagtatatgc ataaaaaaga 420
atgtgggtatt ttgaaaaag aacaggaaga acaagaatga gtactaggat attagaaaaa 480
gaaagccaaa attaaaaaaa aaaatcaaca gaagggttgg agtatgaagt caatgaaggt 540
ttccaagaa agtagaccac aaaggcaaag agatgaaaag taggagagaa aatataagga 600
aactaaaaca ttaatccaga tgatccaaca gataaaatac aggaagaaa attattaaag 660
aaataatata agaaaatctt ccaggactca aagatgctac 700

```

<210> 1152

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1152

aaaaatcaac	agaaggggttg	gagtatgaag	tcaatgaagg	tttcccaaga	aagtagacca	60
aaaaggcaaa	gagatgaaaa	gtaggagaga	aaatataagg	aaactaaaac	attaatccag	120
atgatccaac	agataaaaata	caggggaagaa	aattattaaa	gaaataatac	aagaaaatct	180
tccaggactc	aaagatgcta	cataactcag	cagtgcgaa	tatgtccaca	ttcactattg	240
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tatagagagg	gggagtgaga	aaggcgggga	agggattttt	attatgggct	tctcagtaca	480
actgatat	aaaccatatg	catgcattat	tttttatttt	gtttttaatg	gatacataat	540
aattgtagat	atattatgcag	tgcagtgtga	tgtttccaga	catacatata	gcatgacatg	600
atcaaatcag	ggtaattagc	atatctatca	ccttaaacac	ttgtcatttc	tttgtggtga	660
caacattcaa	aatcatctct	tccagctatt	ttgaatttgt			700

<210> 1153

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1153

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gtgcagtgtg	atgtttccag	acatacatat	agcatgacat	gatcaaata	gggtaattag	120
catatctatc	accttaaaaca	cttgtcattt	ctttgtgggtg	acaacattca	aatcatctc	180
ttccagctat	tttgaatttg	tgcatattt	gatataaatt	gatagaatag	aaattaattt	240
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gggtgagggg	ggggatgaga	gccaggcatg	gcagccctta	gggtggtcacc	atttccctct	480
cctggcagcc	tgtatttgct	tgggagacct	atctcttggg	tatagatcct	attgggctgc	540
taaagaagag	aggtgcta	ccttttagga	tgacttctgg	gaattcacca	ggatgccctg	600
cctctcctac	tctggacatg	gaaaaaaatg	ctgggtttac	caaaggtgga	tgagtcaggc	660
ccaggactag	agccacgggg	cctctccctg	gacgtgccat			700

<210> 1154

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1154

ttgggagacc	tatctcttgg	gtatagatcc	tattgggctg	ctaaagaaga	gaggtgctaa	60
tccttttagg	atgacttctg	ggaattcacc	aggatgccct	gcctctccta	ctctggacat	120
ggaaaaaaat	gctgggttta	ccaaagggtg	atgagtcagg	cccaggacta	gagccacggg	180
gcctctccct	ggacgtgcc	tagtcaggct	gtctcggcag	ctaaaagagg	ctacacacat	240
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cttttccttc	accattgtt	ctccctattc	cctttctttc	ccacctctct	ctcagttctc	480
cagagctctg	tgagggact	acttagcaaa	cttacctgct	gaaatgcact	gttttttttt	540
ttaacctttt	aaattgtcac	ttttttttaa	actataccat	ccttagataa	gcaggagata	600
ttcctttag	aaaaataaga	aatattaat	aatcacccat	gattctatca	gtcagaaaac	660
tccactgctg	gtgtatgaat	ttccagaatg	tttccaggct			700

<210> 1155

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1155

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tacttagcaa acttacctgc tgaaatgcac tgtttttttt tttaaccttt taaattgtca 60
ctttttttta aactatacca tccttagata agcaggagat attccttgta gaaaaataag 120
aaaatattaa taatcaccca tgattctatc agtcagaaaa ctccactgct ggtgtatgaa 180
ttccagaat gtttccaggc ttataaacgg gtaaaaaatac tatcacagtc catgtctcat 240
ctaagcacc cagctactgag caatcatcac ctactgggct gtgctgaggc ctttagatgt 300
gttaatctct cttaatcctt ccaacttcac aagatagggtg ttattgtgcc ccgtttacag 360
gcaggaaaca agttcaggga gatcacatta attgcctgag ttcccaagtt gggttaagaga 420
ctaagctaga tctcaacctt tcagggtgaa tccaaagcta ctttccttga atgggttgta 480
agatttttcc atttcttttt taaaaaaatg gtatgttcaa atatctttct catcaataaa 540
tatttatctt catcattctt cctaatagaca ttcccttgta tgaatgtgcc aatgtggaat 600
aaccagttcc gtcttggtgg gctttcagat gttttctttt tgtaaataat aaacaatgca 660
gttataacta tctttatata taaactttgc aatagtatga 700

```

<210> 1156

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1156

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ttaaaaaaat ggtatgttca aatatctttc tcatcaataa atattttatct tcatcattct 60
tcctaatagac attcccttgt atgaatgtgc caatgtggaa taaccagttc cgtcttggtg 120
ggcttttcaga tgttttcttt ttgtaaatga taaacaatgc agttataact atctttatat 180
ataaactttg caatagtatg agtatcttcc tagaataaat actggaaagt gaaattgcgt 240
ggtcaaaggc cagacacatt tttaaaagct gcctctttcc caatcacaca tttcccat 300
ccatttattt gctgaggatc ttcacaaaat ttggactgag attaaacaca gaatcagaga 360
agccctatgc tggaaagatc ttagtatata cctcttgaac taaaccagtc ttacttttaga 420
aaaaaaaaaa aaaaaggcca ggcgcggtgg ctcatgcctg taatcccagc actttgggag 480
gccgaggtgg gcggatcatg aggtcaagag attgagacca tcctggccaa catggtgaaa 540
ccccatctct attacaaata caaaaattgg ctgggcgtgg tggcgtgtgc ctgtagtccc 600
agctacttgg gaggtcaggc cggaagaatc gcttgaaccc gggaggcaga ggttgactg 660
agccgagatt gtgccactgc gcttcagtct ggcgacagag 700

```

<210> 1157

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1157

```

gaggtcaaga gattgagacc atcctggcca acatggtgaa accccatctc tattacaaat 60
acaaaaattg gctgggcgtg gtggcgtgtg cctgtagtcc cagctacttg ggaggctgag 120
gcggaagaat cgcttgaacc cgggaggcag aggttgactc gagccgagat tgtgccactg 180
cgcttcagtc tggcgacaga gcgagactcc atctcagaaa aaaaaaaaaaag ccctagacct 240
tctgcagcag cctgctgtgc cttcagtggg ccaggcagca cttctgggca agtgaggaaa 300
gggagaccgg gagggaggta gggaaagtga ggcaagaggg ccatgctgtg ggcccacaac 360
caactggctt gggggaggct gctacatttt cccaagtgca aactgtctt cctgagtcta 420
aagacctcac agccatcact gactatactg agctgcctca ctgtccccag gactctcact 480
ctatccagga agtcaacgca aagtctcttg ggccttccct ttatccagct gccaacactt 540
agcaccctgg tcttccttgg acagtttcca aggctacgtt gggcagtccc aaacaagatg 600
tggtcttatt gttgtcttac cttggtgtgt tttcctccaa taggctacaa actctggcac 660
ctgcaaaaaa caaggaaagt aaatgattga agcagggcac 700

```

<210> 1158

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1158

```

aaagtctctt gggccttccc tttatccagc tgccaacact tagcaccttg gtcttcttgg 60

```

```

gacagtttcc aaggctacgt tgggcagtc caaacaagat gtggtcttat tgttgtotta 120
ccttggtgtg ttttcctcca ataggctaca aactctggca cctgcaaaaa acaaggaaag 180
taaattgattg aagcagggca ctgaagggtg gcttttgaa aacgcaagcc tggatggaag 240
ttgaaagatg agagcccatc tgtggtgagt tctttgaaag ctgctgaggt gtgagttggt 300
aggatgctgg cccagggcag acacgggcac aagcttcac ccagcggcat tctccactca 360
gagggtttct ttctcatttg gctgttaaat gctcctatac tggcagaaac ctcagtgcc 420
ttcccacttt gtctcaaggc cttgtataaa aaataagttg tcccttcatt catttccatg 480
gatatatcca ttcacagct atttactgag cacctactat atgccaggca ctgtcctagg 540
gctctgggaa tagagcattg gactaaaaag gctaacaccc tgcctcatg gagcttgaag 600
tctactgggt aggggggtg ggcgggtggt gtagtgaaga gtccaaaaac taacaagata 660
cataaattaa aaatatagga atcagaagtg gtaaactcta 700

```

```

<210> 1159
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1159
tatttactga gcacctacta tatgccaggc actgtcctag ggctctggga atagagcatt 60
ggactaaaaa ggctaacacc ctgccctcat ggagcttgaa gtctactggg taggggggtg 120
gggcggtggt ggtagtgaag agtccaaaaa ctaacaagat acataaatta aaaatatagg 180
aatcagaagt ggtaaactct agggaggaaa aaataaggca ggagagagag gtaagggaata 240
ttggggcaga aggtgagaag gcgtgtaaaa attctaaaat gtgtgtccag agaaggctag 300
acacctgaga aggtaaatta tgaacaaagt tacctgaaaa aagtgaggac atgagccctg 360
agaattaacg gggaagaagc ttcccagggt gaggggaatgg caagtgaac agcctggcag 420
cgagggcctg tctgacatgt taacagataa gtgaggagggt tgggtgtagcc agagtagaga 480
gaataagggg gaagcaggag agggatcaga gaggtagcga gaggctccac agtggtcacg 540
gcattcaagg gaggtccttg tgtgaacttg ggctctgatt ctgagacagg agccactaga 600
gggtttttta cagagaagtg acatgatgta actcacattt taacaggatc actctggatg 660
ctgtgttgag aataaactga gagaaagagt agaaccagtt 700

```

```

<210> 1160
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1160
gagggatcag agaggtagcg agaggctcca cagtgttcac ggcattcaag ggaggtcctt 60
gtgtgaactt gggctctgat tctgagacag gagccactag aggggttttt acagagaagt 120
gacatgatgt aactcacatt ttaacaggat cactctggat gctgtgttga gaataaactg 180
agagaaagag tagaaccagt taggaggcta tggcagaaat cttggcaaga gacaatggtg 240
gcttggaacca gagcagtagc atggaggatt tgctgatgga ttggaagtga gagattaaaa 300
agaatgggtt tagaacctga ctggggcagg ttaaaaagaa aggagctgaa gctgtgaact 360
aggagacaga gttggctggg agcagcagga agattcccag ttttggcctg agcaactggg 420
aggatggaat tgccattttc tgaatggaag cgtacagatg gagcatgttt tgtggggaga 480
taaggaatac ggttttggac gtaagtgtga gatgcctttt aagcacttaa gtggagaaga 540
ctgtaggcag gtggaactgt gaatctgggg agaggtccag gctggaaatg agtatttgtg 600
agttctcagc acatagttct ttaaagctgt gacacaggat gagatcatca agagggtgga 660
tgtcaatagg gaagctgtcg gccgggtgcg gtggctcacg 700

```

```

<210> 1161
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1161
cgtaagtgtg agatgccttt taagcactta agtggagaag actgtaggca ggtggaactg 60
tgaatctggg gagaggtcca ggctggaaat gagtatttgt gagttctcag cacatagttc 120
tttaaagctg tgacacagga tgagatcatc aagagggtgg atgtcaatag ggaagctgtc 180

```

```

ggccgggtgc ggtggctcac gcctgtaatc ccagcacttt gggaggccaa ggcgggtgga 240
tcacctgagg tcaggagttc gagaccagcc tggccaacct ggtgaaacct cgtctctact 300
aaaaatacaa aaatttagctg ggtgtggtgg cagggtgcctg taaccccaga tactcaggag 360
gatgaagcag gagaatcact tgaacccagg aagcagaggt tgcaagtgagc ggagattgtg 420
ccattgtact ccagcctggg tgacagagca agactctgtc tcaaaaaaaaa aaaaaaaaaa 480
agaaaagaaa agaaaagaaa agaaaaaaaa aaaccagggg agctgtgcaa ggggctgagc 540
cccattcagt agctcagcaa aagagactga aaaggactag caagtacagt aggagggaaa 600
cctggagaaa gacttctgag gaggatggca tagtccactg tgatagatca actatttaat 660
aatatgaaga cagagattta gcatcttgga gtcacaggtg 700

```

```

<210> 1162
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1162
aagaaaaaaaa aaaaccaggg aagctgtgca aggggctgag cccattcag tagctcagca 60
aaagagactg aaaaggacta gcaagtacag taggagggaa acctggagaa agacttctga 120
ggaggatggc atagtccact gtgatagatc aactatttaa taatatgaag acagagattt 180
agcatcttgg agtcacagggt gatcctgggtc agggatgatt cagtggaaaca gttggagtga 240
gaatctgact acagcagggtt ctaaagagag gagctgaatt tgggagctga gggatggagt 300
tggctggtga cagcaggagg gctggaagca gagggagagg gatctaacct acattggttc 360
caccttaaga gaaaacacaa agctggtact tcctcaacac ctgtacgtgg ccgctgttgt 420
tactaacact gggccagggtc ctccagcttg ctgagcacca cccagggtctg gtccataaag 480
ctagctctcc acctgtttct agattcctat gaagttattt cctttttctc actgctgtgt 540
gtagccttag gataaatgcc catagcttgg ggctgctgag caagtccca gttgcttgtt 600
gaccaagatc tggcttgggt cctttctcct aatgggaagt cagagtgagc aagggactct 660
gctcttggat agcttgcctt ctgtgcagga gataaataat 700

```

```

<210> 1163
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1163
tagattccta tgaagttatt tcctttttct cactgctgtg tgtagcctta ggataaatgc 60
ccatagcttg gggctgctga gcaagtcttc agttgcttgt tgaccaagat ctggcttggg 120
tcctttctcc taatgggaag tcagagttag caagggactc tgctcttggg tagcttgctt 180
tctgtgcagg agataaataa tcaccaagga aatggatatg caggcaggta acttcagatg 240
cagatgggtg ctatgaagac agtaagctgg ggtgaaacac acagagtaag tgtgggagcg 300
acctcctttc gccaggctgt gtggtcagggt gcctctctgg gaggtgacat ttaggatgac 360
acctagacag cgatgcccag cttattctcc tcaagctggc ctctcctctg ctgctcccag 420
ccttccccgt ggcttctaca atatctgcac tctgggaaca aggccaaggc cttgggccat 480
ctaagtgcaa agccaaaagg aaacaatcct cttctctcgc caatacacac catgggaact 540
ttttctccat gattacaaaa tacgtgcatt ttcactgaag gaaacttggg aatattgaaa 600
acaggagaaa acgtgtcatt ctactacca gaaataacta caattaactt tggatgcac 660
cttctagaca ttcttctatg catatatata ggtatttttt 700

```

```

<210> 1164
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1164
gaaacaatcc tcttctctcg ccaatacaca ccatgggaac tttttctcca tgattacaaa 60
atacgtgcat tttcactgaa ggaaacttgg aaatattgaa aacaggagaa aacgtgtcat 120
tctactaccc agaaataact acaattaact ttggatgcat cttcttagac attcttctat 180
gcatatatat aggtattttt tttcttattt ccttgggtta aaaatgagat catgtacatt 240
gtgttttatg atctgaattt tgactaaatc tgttataaag cactcttctc atgaaattaa 300

```

ttttcttcta	cataatgagt	ttaaatggct	gcattaaaag	tatttcatta	tatgtagatt	360
tttaccatat	tttattta	tcctaaacat	tggccattta	cattgtttcc	tatgattggt	420
actaccagca	aatgctctaa	taaacaatcc	tgtatatattt	tccttggaga	aggggggttg	480
ccaatctctt	atttccttgg	gttaaaacaa	aatgtcactg	cccagtggca	gtgccatggg	540
tctcatggca	gcctgaggct	gagggcatgg	gagggcagga	atgagcccca	agcctaagga	600
gccactcaga	tgccagaggc	tgatttagtc	ctatgacatg	ccaggtcttg	agttttcctc	660
ccctgagggc	ctgatcagta	cgaaaacaat	aggcctctcc			700

<210> 1165

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1165

ggttaaaaca	aaatgtcact	gcccagtggc	agtgccatgg	gtctcatggc	agcctgaggc	60
tgagggcatg	ggagggcagg	aatgagcccc	aagcctaagg	agccactcag	atgccagagg	120
ctgatttagt	cctatgacat	gccagggtctt	gagttttcct	cccctgaggg	cctgatcagt	180
acgaaaacaa	taggcctctc	ccataaacc	agagaaatcc	aaggggattc	cccacctcag	240
caggaagagg	gtgtcactct	ctgaccccc	aataagagacc	acctccatcc	tcccttgaaa	300
tcccctgggg	aagcttctcc	tgccctccct	ccctggggaa	aacattggca	cggtcaggcc	360
ttcaatctct	ctttggggag	gggctgccag	ggaatgtca	ggaaacagaa	ggttccatag	420
gaatagcagg	gcctgtccta	tccctgaccc	agccttttcc	ctaaatcctc	aaattcccca	480
caggggctgg	cagggacagt	ctatgtctcc	cgtaagagga	tgtcctgagg	gctagttagt	540
tctagggtaa	ggtgggaggc	caccagatga	gggtttgaat	ccaggctctg	acattccagc	600
ctcgtcttg	gcaagtgact	tcacctgtgg	aatgtgagct	acgaggaagg	aacttagatt	660
tgcggccctt	agcattcaac	aggggctcta	taaataccag			700

<210> 1166

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1166

tctatgctcc	ccgtaagagg	atgtcctgag	ggctagttag	ttctagggta	aggtgggagg	60
ccaccagatg	agggtttgaa	tccaggctct	gacattccag	cctcgtcttg	ggcaagtga	120
ttcacctgtg	gaatgtgagc	tacgaggaag	gaacttagat	ttgcggccct	tagcattcaa	180
caggggctct	ataaatacca	ggccaggcca	atgcatgac	ctgtctgagc	ctcagctgct	240
catatgtgaa	atggatgaca	cctatctcac	aggtttgttg	tagggactaa	atacaactta	300
atacagttaa	cactctactg	tttgagaaac	attagagtcc	aaagccctgg	agggctactt	360
ccaccacgcc	ccatgctttg	tagtctcctc	tttttggcag	aactagttta	cctccacact	420
gctactacca	caccctagac	atacctctgg	tgtagtatgc	agcacattgt	gtgtgtactt	480
gtccaactcc	tccatgaagc	ttcagggcag	ttaaagacaa	gaattttgcc	tctctatcgt	540
ctgtgcctct	gaatgacact	atgaagtaag	caagggcatt	atttccattc	tacaaatgag	600
aaaactgagg	cttagaaaga	ttagatgcct	tgcccaagtc	acacagtgga	gagtaggaga	660
gcaagaccta	aacctgggtc	tcatttctgg	gcctgtgttc			700

<210> 1167

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1167

cttcagggca	gttaaagaca	agaattttgc	ctctctatcg	tctgtgcctc	tgaatgacac	60
tatgaagtaa	gcaagggcat	tatttccatt	ctacaaatga	gaaaactgag	gcttagaaag	120
attagatgcc	ttgcccaagt	cacacagtgg	agagtaggag	agcaagacct	aaacctgggt	180
ctcattttctg	ggcctgtgtt	ctgtaaacca	aaaagaaaat	tccaaggcac	ccccagctg	240
tctgaataga	cccctcctct	cggccaaggg	cattccaaag	ttaacctgaa	aaactagttt	300
aggccatgat	gggaaggggg	agccagacat	gcctcgttat	accctcttcc	cttttggaat	360
tactgactct	ttaagactga	taagagatat	ttacagtcca	ttctctctga	agcctgctac	420

```

ctggaggcct catctgcata ataaaacott ggtccccata gccccttata gtaaccacaga 480
cattccctttc tgttgctttc tattgataat aactctttca accaattgtc aatcagaaaa 540
atTTTTgaat ccattctatga cttgaaacca ccccaactcc ccaacctagt tgtcctgcct 600
ttttggacag aaccaatgta catcttatat gcattgattg atggctatgt ctccctaaaa 660
tgtataaaac caaattgtgg cctgaccact ttgggtacat 700

```

<210> 1168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1168

```

ctattgataa taactctttc aaccaattgt caatcagaaa aatTTTTgaa tccattctatg 60
acttgaaacc acccccaactc cccaacctag ttgtcctgcc tttttggaca gaaccaatgt 120
acattcttata tgcattgatt gatggctatg tctccctaaa atgtataaaa ccaattgtg 180
gcctgaccac tttgggtaca tgttctcagg atctcctgag ggctgtctca caggccattg 240
gttacttata tttggctcag aatagatgtc ttcaaattt ttacagtttg accgacaact 300
ctattctaga tgattctctt gcaaaaaggga gttggagggtg agaaggaagt gagccaattc 360
tcatgtccct gagaaaaagg caggcagagc ttcgagagga aggagggtgct tggggaggga 420
gcaggacact gcacttgctt cagccccatc ctgactcccc gtggatcctc gtgcatgcag 480
cagctgtgac cccagagggc ctctagtcca gcataagctg aggcaaaggg gggccccagg 540
ttccctctac tgggtgtggag cccagccggc aaggggactg gggatcggcg gccagagtt 600
gattgtttgt gcccagcag caggatgatg gctgtagagc acctgctcag gaggttggcct 660
atctccagct atggggcggg aaggctccct accagaccac 700

```

<210> 1169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1169

```

cctctagttc agcataagct gaggcaaagg gggccccag gtccctctta ctgggtgtgga 60
gccagccgg caaggggact ggggatcggc ggcccagagt tgattgttgt ggcccagca 120
gcaggatgat ggctgtagag cacctgctca ggagttggcc tatctccagc tatggggcgg 180
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tgtgatacct gctgagggtga aggctgaatg agtgagagct cccagcctcc agcatcaggg 300
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tgatactcag taagtacagc ttattgaagg tgtaaccaa agccagtagg caggatgaca 540
gatggcatcc gccttgcatg tctgggtcat cagggaaagg gccaatgtcc agtgtgtcct 600
gaccaggatg gttctgacaa ggacatccat agcatccaca gagggtgctc cctccccagg 660
caacaaactc tccctccctc ctttctttct tcttccctt 700

```

<210> 1170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1170

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cttattgaag gtgtaaccaa aagccagtag gcaggatgac agatggcatc cgccttgcct 60
gtctgggtca tcagggaaag ggccaatgtc cagtgtgtcc tgaccaggat ggttctgaca 120
aggacatcca tagcatccac agagggtgct cctccccag gcaacaaact ctccctccct 180
cctttctttc ttccttccct tttttttgag atggagtctc acttattgcc caggctggag 240
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gcctcagcct cccgagtaac tgggattaca ggcattgtacc accatacctg gctaattttt 360
gtatttttag tagagatagg cttttgccac gttggccagg ctgggtctca actcgtgacc 420
tcagttgatc tgcttgctg ggcctcccaa agtgctggga ttacaggcat gagccaccgc 480
tcccagcaca ctctcccttt cttagccaaa gagacaccac ttggaggaaa ctacctggat 540

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```

ctaggtgctt ccctagtgac aaaaatggac tggggatgtg gtataaatcc ttgcccctgg 600
gaatctggaa gggacctatg atatgagaaa aaacaaacaa acaaacaaac agaccaatta 660
tctctttatt gagacaaaaa ctgctgcttt tgcctgaatg                               700

```

```

<210> 1171
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1171
tcttagccaa agagacacca cttggaggaa actacctgga tctaggtgct tccctagtga 60
caaaaatgga ctggggatgt ggtataaatc cttgcccctg ggaatctgga agggacctat 120
gatatgagaa aaaacaaaca aacaaacaaa cagaccaatt atctctttat tgagacaaaa 180
actgctgctt ttgctgaat ggtcagattg actgattcct cttccacttg ccatccccac 240
tgcattgcatt gctacaaata atcctgatgt tgcacattta aaatagtgcc ttgcttcaac 300
tgcttcagtc tatcagtgtg aactgtgtct cccctggcag gtatgctgtg ggggacagtg 360
cagggtctgt ctctgtagga ccaaactcag tatgaactta tcacctgcct gtgtgtacag 420
ctttaagctt caggtagagg gtgttataaa ccctggagta ggacttcctt agagaacagg 480
tcattacact atgtccatct attgaggccc taaattaagt ctacagaatt aggcctaaac 540
tccgcagaca gttagccaaag gtctcaggct ctggcccact ccacctgtcc atccacacct 600
ccttctcatt ttgcccctca ctcaactaac acagtgccca aaggagatg cagttgcctg 660
gacaggctgg ctttggtcta agctaggggt tcttaaagaa                               700

```

```

<210> 1172
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1172
tattgaggcc ctaaattaag tctacagaat taggcctaaa ctccgcagac agtagccaaa 60
ggtctcaggc tctggccac tccacctgtc catccacacc tccttctcat cttgcccctt 120
actcacttaa cacagtggcc aaaggagat gcagttgcct ggacaggctg gctttggctt 180
aagctagggg ttcttaaaga atagtcccca gaccagcagc atcagcatca cctgggactt 240
gttagacctc ctgaattgga acctgtggga tgagactcag caaactgttt taatgagtct 300
tctaggtgat tttggttgca ctaaagtttg agaaccactg ggtgagccat tccctgagcc 360
cagggtgcct ttctcagcca tttctgcct attataatct caaccacctt tcaaagttca 420
gctcaatacc atctcttttg ggaagccccc gtagtcccc ctactcttgt gaaggcctct 480
tccttgaacc gacagcttct ttgtcacccc atccccatt ctagtgaag accttcattt 540
ctgcttctct ttgcagcatg tttttctgc tttgttttat agtaaacctt gagcagttgt 600
taactgcctt cccacactga ttcccctcta acacacaaat gttactctgt aaaggccatg 660
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<210> 1173
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1173
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aggcactggg gttcagacaa aggtgcaccc ttatacttat catccaggag ccagtggggg 600
gaatggcaag gtggctggca attgcaatac tttgagtagc actgagacag aatgcttcca 660

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accacagggg gccccctcat gccccctcct gttgggaccc

700

<210> 1174

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1174

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aattgcaata	ctttgagtag	caatgagaca	gaatgcttcc	aaccacaggg	ggccccctca	180
tgccccctcc	tggtgggacc	cacccaaaaa	gtaacctctg	ttctaacttc	catcaccaga	240
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tggagtgcag	tggtgcgac	atagcccagt	gcagcctcaa	acgcctagac	tcaagcagtc	360
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ccgcacccgg	ccaattttat	ttgtttttta	acttcatata	aatagaatca	tacaatgtac	600
ctttcgggtg	tctggcttct	tcccactaca	cattatctgt	gcgatccatg	tatgctgtta	660
tgtatagaca	cagtttgttc	ttttttaaga	ttgctgtgtt			700

<210> 1175

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1175

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ttcccactac	acattatctg	tgcgatccat	gtatgctgtt	atgtatagac	acagtttgtt	180
cttttttaag	attgctgtgt	tgtatcccat	tgtgtagata	tgacacaatt	taaccattct	240
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agacataaga	caaaaacatt	ttggtttatg	tccgctgggt	gacattctgg	acattcgcac	360
tcattcctct	tgagtatgta	cctagagggt	gaactgatgg	tttatggaat	gggtatagtc	420
ttagctttag	tagatactat	caaatagttt	tccaaagtga	ttgtaccaat	gtacactcct	480
accagcatat	aaaagtgttt	gccaacattt	ggtatcatca	gtcttcaatt	ttagtccttc	540
ctgtgggtat	agagttgtat	cttttacgtt	ttaatgtgct	tattggctat	ttatatatcc	600
acttttaaga	tgttcctgtt	taagactttt	gcctatttgc	ttttttctta	tttacttaca	660
ggaattcctt	ggaccttctg	gatataagcc	ccagtcgtct			700

<210> 1176

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1176

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tttaagacttt	tgccattttg	cttttttctt	atttacttac	aggaattctt	tggaaccttc	180
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tctcaccag	gctggagtgc	atggcatgat	ctcggctcac	tacaacctcc	acctcccag	360
ttcaagtgat	tctcctgcct	cagcgtcccc	ggtagctgag	actacaggtg	cccaccacca	420
tgcccggtta	atctttgtat	tttcagtaga	gacgggattt	caccatattg	gccaggctgg	480
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ttcataaatg	ttcaattttac	ccatcttttc	atctatggct	agtgtatcct	gcttaagtaa	660
tcttagttcc	aagaagtcca	gttaacagaa	ataacaaaaa			700

<210> 1177
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1177
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 cccatctttt catctatggc tagtgtatcc tgcttaagta atcttagttc caagaagtcc 180
 agttaacaga aataacaaaa attactaata ttaaaaaaga caaagaagtg aaggaaaaaa 240
 ttggatgggt ggtgtgggag aaggactgca tcagatcgtg agagtgtgct cacttgactg 300
 tgctgtgcaa agcccgggcc ttgtcctgtg ttgtgggtatg gatgggagct gaacccccag 360
 gcagtgcac aaacatgccc tctgttttgt tcagatgctg cgccaggtgg tggaaagggc 420
 tctgtgggct gtagggggac cctggctcaa tggcttaaga gaaagatcac tccttttcat 480
 gtgtgttaag ctgggtctga ccccaaacc ctggagactc cctttagtcc aggccctgcg 540
 cctctgtgcc agagcctgca aagacagcag tgctgacact tgtccagctg gctcaciaag 600
 gggaaattct cccctccttg agtcaccaca tagacaggag gagcttcaaa taacaagcgc 660
 tcgactccaa acgatcccta tgctcatttc acgatgctgc 700

<210> 1178
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1178
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 ggtcaccac atagacagga ggagcttcaa ataacaagcg ctcgactcca aacgatccct 180
 atgtcatttt cagcatgctg catcactttc aaaatcccc gtgatgcttg tgtatgaagt 240
 ctagatccag aaactttccc catgttttcc ccagtttgag tagaacaata ccctgggagt 300
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 cctaccagat ggatgcgac tgccatccac ctccccagca taaagccagt tcataaagcc 660
 agctccagca tctctggggc agttttcttc ccatccaggg 700

<210> 1179
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1179
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 ctgccatcca cctccccagc ataaagccag ttcataaagc cagctccagc atctctgggg 180
 cagttttctt cccatccagg gtcaagctct tggcggctta gagatgcagt gtgccagtcc 240
 caacaccatg gctgtgtgtc actgcagatg aaggcatact ttttttctag gacgtgcagt 300
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 ccaccacttt ttccatgtgc caccctctca taagaactca gaagcccagg gtggagtcaa 480
 aggggtcttt taaatcccc agtggcatat gaaattctgg atgtttgtga attttctgg 540
 ggaaaggggtc tatgtgtgcc attagattct ggaaggggtg tgtgacctca aaaaaagggt 600
 aagaccact ggaccgagtc ctcttttaaat ggaagtgcac ggatcagttt gataaaatta 660
 atttatagta atgagctatg tatcttttag taactgcact 700

<210> 1180
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1180
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 cattagattc tgggaaggggt gtgtgacctc aaaaaaagggt taagaccacac tggaccgagt 120
 cctcttttaa tgggaagtgc tggatcagtt tgataaaatt aatttatagt aatgagctat 180
 gtatcttttag ctaactgcac ttctaaaaag acatctggga agggagaaacg cttaactaaa 240
 attattatta taattattat tttttgagat ggagtattgc tcttgctgcc ccagggctgg 300
 agtgcaatgg cagcatctca gctcactgca acctctgcct ccaggttca tgcaattcct 360
 gtgcctcagc ctctgagta gctggaatta gaggtgcccc ccaccatgcc cagctaattt 420
 ttgtattttt agtggagaca gggtttcacc atgttgcccc ggctgggtct taactcctga 480
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 gcacctgacc taaaattata tttctaata caaaactgag gtacagctca taactaaata 600
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 tggcttttta gaggtcctg gagcaggaac aaggggttag 700

<210> 1181
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1181
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 ccactcccat cactaaaaaa gaccaatttt tctggtctag atggctttt agaggctcct 180
 ggagcaggaa caaggggtta gtgactacga tgtgtcaaaa gagacatagg catttctcag 240
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 aaggacctg tttccacctc atatcagatt gtcaaattgg aaggggtgtgc ctagggcaca 360
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 ttctgcaagg cctcccaggg actcccagga ctggctcaag gcatcagact gttaaataag 660
 tgggattttt tcagtgtttg tagaaactgt tgtttaaaaa 700

<210> 1182
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1182
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 aagccaggcc cctgccccca ctcacagtca gaaggaaagt attctgcaag gcctcccagg 120
 gactcccagg actggctcaa ggcacagac tggttaaata gtgggatttt ttcagtgttt 180
 gtagaaactg ttgtttaaaa agatgtaacc atccaaactg tttatgtaac ccttgggaag 240
 tctcaacaga tatggttccc tatttataac tgtggccagg actttaaaaa tacaagtga 300
 gggggactgt caaaatcaga gaggttgtca cgttacagtt gtatgcttgc ataactgaat 360
 tcagtatttt gctctaattt gagaagtttc tttttattca cttttctcct tttctggttt 420
 tctcttccct tgttgtccac tgetgtgcac catacactcc tgacattttc tgagaacatc 480
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 tacaagggtg aacatagctg tcttctcgcc gccagccct acacctgcag gggcctgctc 660
 tgtctctggg ttgtccgctc tggaggtagg tgtcagacca 700

<210> 1183
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1183

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ggagggttcaa aataggggtt tttagaatga ccaaataata atgaacacta aaattcattt 60
caaagcctag gactagtcta ttcatactga tttccttagt ctacaagggg aaacatagct 120
gtcttctcgc cgccagcccc tacacctgca ggggcctgct ctgtctctgg gttgtccgct 180
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tcacactaac aatccaacta aaacctggct cttgtaggaa cacatcctct tctttattag 420
ggaggtctgt ctctgagtta acatagtagc agtttcgttc acagatcttt ctggcaaaaa 480
agaatccgac gagagctatg cctccacca aaggcacagt tgataacact ttgggggaagg 540
atggttcata gctcctgaag aagaaagagt ctgtgataag aacctctggc ccacaggctt 600
cttcacacta cacaacttcc aaaatcccta accactgcta atagctagga ggaggatagt 660
gactgttccc aacacaaaga gatgacaaac atttgagatg 700

```

<210> 1184

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1184

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gcctccacca aaggcacagt ttgataaac tttggggaag gatggttcat agctcctgaa 60
gaagaaagag tctgtgataa gaacctctgg ccacaggct tcttcacact acacaacttc 120
caaatccct aacctctgct aatagctagg aggaggatag tgactgttcc caacacaaag 180
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aagagagaag gcagaggcac acagccctta catcttggtg gggaaaccct agggtttcct 600
ctgagggcct gacagattga aggggttgaa aatgagtggg ggggtgtggc acctcagctc 660
tagcctcctt ctgctgaggg acagtggcca aggaacatcc 700

```

<210> 1185

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1185

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cagcccagta cctccctgct tccacctgtg ctgaccaccc taagagagaa ggcagaggca 60
cacagccctt acatcttggg ggggaaaccc tagggtttcc tctgagggcc tgacagattg 120
aaggggttga aaatgagtgg aggggtgtgg cacctcagct ctagecctct tctgctgagg 180
gacagtggcc aaggaacatc ctcatagatc caaaggaagg tggagagtcc ctctttgtcc 240
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tgtggttgaa aaaggggaaga ccataaaaag ttctcatttg ttgaccagag acaataaagt 600
gattacttaa aaaaaaaaaa acccacctct ggggtcttcc caaatcatgg agaaaaataa 660
aaacagggga agacatgctc tagtcttaaa actccaatgt 700

```

<210> 1186

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1186

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gaatgggtaa tgaagaaatg caaatccca actcatgaaa atgtggttga aaaagggaag 60

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```

accataaaaa gttctcattt gttgaccaga gacaataaag tgattactta aaaaaaaaaa 120
aaccacctc tggggtcttt ccaaatcatg gagaaaaata aaaacagggg aagacatgct 180
ctagtcttaa aactccaatg tggccccaga ctggtgagcc ccaacaacag taaataacca 240
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ggtataactg ggaaggagt gcatccagg cagaaagaac tgagttagca aaggtcaggg 660
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```

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<210> 1187
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1187
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ggcattccag gcagaaagaa ctgagttagc aaaggtcagg gttggggttg gtatgggcag 180
ttggttgtat gtgatacggc gtgtagttag gccagtgttg ccagaacacg gggtcagaga 240
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gtctgaaagc tgtcttttct ctcgctactt ctgtctcttt ctcctttatc tttcataggg 660
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```

```

<210> 1188
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1188
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tctccgtact tctgctcctt tctcctttat ctttcatagg cattagctct tcttaccctc 180
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tgtatatacc ctttaactca acagtctcaa ttgtagaaat ctattttata gaaacactag 540
caciaaatgca taaaagtata aaaatgagga tgtagtggcc tataaatatt atcaggacat 600
tgaaaaactt tgtggtcatc tgtaggggag gagatgaact agcagtacat ctacgtggtg 660
gaatacatac caagcagcct ttaaaaagaa gacagcaggt 700

```

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<210> 1189
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1189
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aaaaatgagg atgtagtggc ctataaatat tatcaggaca ttgaaaaact ttgtggtcat 120
ctgtagggga ggagatgaac tagcagtaca tctacgtggt ggaatacata ccaagcagcc 180

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tttaaaaaga agacagcagg tctctatgta ctgtcataga gaaatataca caatagactg 240
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attttcatga acaaagctgt gcatacgtat atttataaag atccacattt gtttgtataa 660
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<210> 1190

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1190

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tgcatacgtat tatttataaa gatccacatt tgtttgtata aataagtctg gaaagagata 180
tatcaactgt tgacagaggt cactcttga aggtggtagg gctttcactt tttactttct 240
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gaagatgggt cattttctct atcagaacac aaaattttta tttaaaaagc ttcatatcta 360
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tcctagaatc gttgagaggg ctgtcagcgg cctggtctcg gtaaagagaa attagagatg 480
agttggaata gagccgaaca cagggtggtg aagacagaag ttccagaaga agccaagagt 540
gctatcttga gtagtgggca ggtgaccac agaaggcggt tgggtgggaa gtaggagtga 600
gaggggtctg tgctgaatgt gccagccttc aggaggctca ggccaggaca ggggtgtataa 660
acaagaggtg acgctggctc ctgctttaga actcaggaga 700

```

<210> 1191

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1191

```

acagggtggt gaagacagaa gttccagaag aagccaagag tgctatcttg agtagtgggc 60
aggtgacca cagaagggcg gtgggtggga agtaggagt agaggggtct gtgctgaatg 120
tgccagcctt caggaggctc aggccaggac aggggtgtata aacaagaggt gacgctggct 180
cctgctttag aactcaggag agtatttagg cctaaacact tatgacctac aaaagattaa 240
aaacttacca acagtactca ccaatggact aaaacgctaa ttgtaaacag tgaagtcatt 300
gaaaaaccag aaaaatattg gtgaatactt atctaagggg ggaagaattt tggataaaaag 360
agcaaacagc attttaaaga aatttttagcc atattaaaaa caaacaccaa gactttaaaa 420
acagaactca taacaaaaat caaaagacaa gcaaaaacaa ggaattatat ttacagcaac 480
actgacagaa aggacatgtc cttcatatat aaaaaacata tggttgggtg tggctcatgc 540
ctgtaatccc agcactttga gaggccagca tgggtggatc acttgaggtc aggagtgtga 600
gaccagcttg ggcaacatgg tgaaaccgtg tctctactaa aatacaaaaa tttagctggg 660
catggaggct tgcgcctgta atgccagcta ctcaggaggt 700

```

<210> 1192

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1192

```

ccttcatata taaaaaacat atggttgggt gtggctcatg cctgtaatcc cagcactttg 60
agaggccagc atgggtggat cacttgaggt caggagtttg agaccagctt gggcaacatg 120
gtgaaaccgt gtctctacta aaatacaaaa atttagctgg gcatggaggc ttgcgcctgt 180
aatgccagct actcaggagg ttaaggaagg agaatcgctg gaattgagga ggcagagttt 240
gcaatgagct gagattgcac cactgcactc cagccaagga gacagagtga gacttcatat 300

```

```

aaaaaaaaa gcaaaaaaca aaacaacaac aacaacaaaa ccaaaaaaac acagatgagt 360
ttgtaatcag taataaaaaat acactctcca aagaaaaaca gcactggagc tgggcatggg 420
ggtagtgcc tgtaatccca tctactcagg gggccaaggt gggaggattg cttgagccca 480
ggagttcaag gccagcttgg gtaacacagc aagatcccat ctctataaaa aataagttag 540
ccaggatatg tgggtgcacac ttgtagttct agctactctg gaggctgagg taaaaggatt 600
gcttgagccc aggagttcga ggctgcagtg agctatgatt gtgccactgc gctccagtct 660
ggttgacaaa gcaaggccct gtctcttaaa aaaagaaaga 700

```

<210> 1193

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1193

```

ggtaacacag caagatccca tctctataaa aaataagtta gccaggtatg gtggtgcaca 60
ctttagattc tagctactct ggaggctgag gtaaaaggat tgcttgagcc caggagttcg 120
aggctgcagt gagctatgat tgtgccactg cgctccagtc tggttgacaa agcaaggccc 180
tgtctcttaa aaaaagaaaag aaaaagaaaa acagcattga ttatggtatt gtgtattata 240
aacattattt tgtattgggtt agaattttgt tcagttacat aaaacagaaa acaatagtgg 300
cttaagcaag atgggattttt cttctcttct ctactgaaa aaaaaggctc agaaatgatc 360
agttcagggc tggtttggtg acttcagggtg tcaccaggga cctacgcttc ttctggctca 420
tcctgcccct attcctaaag tgcagctctc attctcatgt cttgtggtag ttgctagagt 480
gatagtcacc acatcctcat ttaagaaagt aggatggaga aaggagggtg aataaagggc 540
acacccccct ctgttaagga gctggcttcg aagtcccata tgacaccac ttgcatccat 600
tgtccggaac ccagccacat gatcacactt tgctgcaaaa ttgccagggg aacgtagttt 660
tcagctgggt ggaaaaggga tcagcaaaaa attggttttg 700

```

<210> 1194

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1194

```

tttaagaaag taggatggag aaaggagggt gaataaaggg cacaccccct cctgttaagg 60
agctggcttc gaagtcccat atgacaccca cttgcatcca ttgtccggaa cccagccaca 120
tgatcacact ttgctgcaaa attgccaggg aacgtagttt ttgagctggg tggaaaaggg 180
atcagcaaaa aattggttttt gttactaaga aagagggaat ggatactgta gagcaatgag 240
cagtttctaa catacatgtg aacaaaatta tcaaaagaaa tacaaatgta aaagatttca 300
gggtcaacct taccaacagt caaatataag taaagcaggt ggccttttat ggtcttgtct 360
ggctaaggta ttgaagagct ggccagacaa gtcatagaag cagtcaagaa ctgactgtct 420
tcataaggac cgactgtctt cataagaacc ttgggacaat gcacatgaac agaacagagt 480
ttcagggtta aaatggccct ttctcccca ctagatggct caaggaccca agggccactt 540
cctggctggt ccccaaaagt ctccctccaa ctcccaagtg acatcagatt ctgtaaatgc 600
tgggaagtag agaaaaattc tgtaccagg gattctctaa ctaaaactat gctaaaatta 660
aatttttaggt gtttttgaaa gttcctttta aaaagtaata 700

```

<210> 1195

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1195

```

tttctcccca actagatggc tcaaggaccc aagggccact tcctggctgt tccccaaag 60
tctccctcca actcccaagt gacatcagat tctgtaaatg ctgggaagta gagaaaaatt 120
ctgtaccagc ggattctcta actaaactat ggctaaaatt aaatttttagg tgtttttgaa 180
agttccttta aaaaagtaat atcctcatgc aaactgaatc agcagtttca gaacttaaaa 240
aaaaaaaaag aacctctgtc gtattcttgg ggtatcacia attaaacatg aaaaccagcc 300
actaaaataa ggaccagtgt ttggatacta catgggggtg atgttaggca acctcaagtt 360
atgtcctttg gcagattcag gactttatgt gagctccac agatggtgat gtcaatgcc 420

```

```

ccacccttca gaaggcacag agaaggaaaag tgcagaggac acggcaagtg tggattccac 480
aggcttctga agttcatagg cctatcttga atagttattg tgcctttctc aatccagacc 540
agcatcagtt acctctcacg atttatttga aagcatttac ttctagtgtt tgctcttttt 600
aaatggttgc tgattgggaa aaataccaga gtaaaactgat gtttcatgaa gtctggggga 660
gacgatcttt agggcatggg aagcaatatg atataatgac

```

```

<210> 1196
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1196
gcctatcttg aatagttatt gtgcctttct caatccagac cagcatcagt tacctctcac 60
gatttatctg aaagcattta cttctagtgt ttgctctttt taaatggttg ctgattggga 120
aaaataccag agtaaactga tgtttcatga agtctggggg agacgatctt tagggcatgg 180
gaagcaatat gatataatga cgaaacgtgc ccatgctttg gaatcagaaa cacctggatt 240
tgagacctag ctctgtggtt taccagctgt gtgttctggg acaagttatt aaacttctct 300
ggggctcagg ttcttgtctt taagatgggc taatacagtg cttacctcgt tgtatcatca 360
agtgtgggtg gaaacagatg gtgaacttgg actgggactg ttacaaaagg tgtggggagg 420
gctcagggaa atcaagatga gacagtgaag catatggggg ctagcaacaa tggggagctg 480
ttaccacttg taacctgaag gtatgaagga agggaataaa tgggtaaggg gacccaaagg 540
aggcagctat tggaagggtg tctggcagga gctgtgggct ccagtggagg atgcagttgg 600
cctaaagcga cctgataggg acccggggga ataacttaac cacttgcctt cctcggggga 660
ctcctgacct catcttcctg agtccttcca tctcttgcta

```

```

<210> 1197
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1197
ggtatgaagg aagggaaata atgggtaagg ggacccaaag gaggcagcta ttggaagggt 60
gtctggcagg agctgtgggc tccagtggag gatgcagttg gcctaaagcg acctgatagg 120
gacccggggg aataacttaa ccacttgccc tctctgggga actcctgacc tcatcttcct 180
gagtccttcc atctcttgct aatgtctccc atggaccaa tctaactaga atccagaggc 240
aagatagatg agtgaatgtg ccattcagg tcagcctccc aaccagagc aggtagagag 300
gacggagagt ggatctgcag gagcaaacag aagattaatc aaaatagaga ctgtgatgag 360
gttagcataa tgcttgaac atagtaagtc cacaagtcct caacaaatgt taatttattt 420
tggaactttg actctctgtc tgctgtttt gcttattgct tacttctcgg ttttcatcag 480
ctcatgtata gttgagataa cttccaaata atcaagtatt gttatctata ttggagtgtt 540
ttgaaggagt aatgagtgtg taaaaaagat aaccagatac tctggggatt agagatgaca 600
gagggaaaca gaggaagggg agtaagtaag agaaaaggat ggagaaaact gtatgttccc 660
tatgaggctg gaatgaacgc aagattatct tactttaaaa

```

```

<210> 1198
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1198
acttccaaat aatcaagtat tggtatctat attggagtgt tttgaaggag taatgagtgt 60
ataaaaaaga taaccagata ctctggggat tagagatgac agagggaaac agaggaaggg 120
gagtaagtaa gagaaaagga tggagaaaac tgtatgttcc ctatgaggct ggaatgaacg 180
caagattatc ttactttaa atcaaatcat gcacttattg ggatgtgata acagtgcgtt 240
tgcaatttta cagcccagtg agacttgcca gaaagggatt ttgcaaggaa ggtcttctctg 300
ccctaaagga aaacctagt cttacttcca gattaataag tcttaacca tcatgcctgc 360
tccccaaaa ccaagtagtc aaatgtgtta acctggatgt ttaaatacct gcatgttcct 420
gctgggtgct ctgggtcagg tgaatgttct attctgattt gggaaatggc tagagtgtgt 480
tggtcgtcgc ctgggatagc tcccaggtag gaagggagcc ccagagagtg gtctgaacag 540

```



```

tgactcataa actcagtgtc ctttctcca gcctttacca gctgctgact tggcccccta 600
ggaatctgtc ttcattccgc aagctattct ccagtgtctg gttcaggctc tagagcagag 660
cattccaggc tttctgtgat tcttgccac ctgttccatc 700

```

```

<210> 1199
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1199
ctcccaggta ggaagggagc cccagagagt ggtctgaaca gtgactcata aactcagtgt 60
cctttctctc agcctttacc agctgctgac ttggcccctt aggaatctgt cttcattccg 120
caagctattc tccagtgtct ggttcaggct ctagagcaga gcattccagg ctttctgtga 180
ttcctggcca cctgttccat ctccaagacc ctccagcatc cttctctcat ttgcttacct 240
taccctccag gcctttgcac aggccactct ctgtgcctgg gacatacatt ctcttcttgg 300
ctaaccttcc gcagcctcca ggacctctca ggtgtcctct cctctgggag ccctgctgga 360
ctgcccacgg ggagttggga agcccttctg tatgtcctg ttagccctct ttgattctct 420
cactcacagc acttccacac tgtcttggtt tcttggtc tctctcccaa cacactggac 480
accccttgag aagagacttg acatattcat cttgatttta atgccatccg gcaaaattcc 540
tggcactcag agggcatgca ataaaacttt actgaatgaa ggtttagcgc gtaattcaga 600
aaataagcaa gaaagtgtca caaacaccaa agcaagttaa ccaagctata tgttctagaa 660
cattcttcct ctctctctgt cactctggct ctctctgcgc 700

```

```

<210> 1200
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1200
gacatatcca tcttgatttt aatgccatcc ggcaaaattc ctggcactca gagggcatgc 60
aataaaactt tactgaatga aggttttagcg cgtaattcag aaaataagca agaaagtgtc 120
acaaacacca aagcaagtta accaagctat atgttctaga acattcttcc tctcctcctg 180
tactctggc tctcctgcgc ctacagcaga caggacagag tctgctcttt cacctgctct 240
tttctagtct tttctttcag gtatccccctg aaatgccact tcctcagagg ctatccttga 300
ctacccaatc caaagcagtc actcagtcac ttgattacac ttcagtctat ttaatttgt 360
tagagagcac ttactgctag caccaatggt ttatttctgt gttttctttc tatctccacc 420
attatgctgt agctccattt gagcagggac cttgtctggt cactactgta tgcccagcat 480
ctagtacagt gtgtggcaga gagtcaagtg ttcattaaat acttggttaa tgaatgcag 540
ccactgttac tgcagctgga gttaatttga tgtatggctt ctatcactgc tatcagatta 600
ggtgctctag agaaactcag aaagggctga gtctccttat gacattgcag ggtgggaggg 660
ggacctcagt tcccttccta ggcctaagtg ggatatgctg 700

```

```

<210> 1201
<211> 699
<212> DNA
<213> Homo sapiens

```

```

<400> 1201
agagtcaagt gttcattaaa tacttggtta atgaatgcat gccactgtta ctgcatgctg 60
agttaatttg atgtatggct tctatcactg ctatcagatt aggtgctcta gagaaactca 120
gaagggctga gtctccttat gacattgcag ggtgggaggg ggacctcagt tcccttcccta 180
ggcctaagtg ggatagctg cctgcttgca gcttccttgt ggctggact tccccatgga 240
ggccagatgc tgagcaaccc cagcccatgt gtctgaaggc tctgaatacc gaaatgttcc 300
tctagctttc tgtgagagca gttggagctg cccattgcct aactgatag aggaatgtgc 360
ccagggctcc tggctggcct ggcacccagc aggaggcagg cacagtggcc agcacggtga 420
ggacacatca cacttcttct ttttcccata tccctatgct gagagtgcag gcagctgcct 480
ggctgggagc agaaactggc ctcaactttct ggggcctgct gggcagacaa tgcagctctc 540
tagctgtgcc acagaacagg gcaaactctt actagctgtg gactcactcc ctgcccctcc 600
cattctgca gaaattgctc taccagctca gcagagggcc aggtctggaa tctctcacct 660

```

gtccctggcc cttcctttaa gccctctggt ttactggaa

699

<210> 1202

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1202

```

gcctcacttt ctggggcctg ctgggcagac aatgcagctc tctagctgtg ccacagaaca 60
gggcaaactt ttactagctg tggactcact cctgcccctt cccattcctg cagaaattgc 120
tctaccagct cagcagaggg ccagggtctg aatctctcac ctgtccctgg cccttccttt 180
aagccctctg gtttactgga aatcataaac tgtgagacac agcctttatc acaccctgaa 240
cagttcactc ttaatattta atgctggagg ctaaaacaac cagggacact ggaggcctcc 300
tgcttactct cagtactga tgtttgcacc tggtaattga ggtcagggtg cttctcttaa 360
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aggcgatccc agcaacgctg caaaccagct ttggcagcaa aggctgtgct ttcattgggag 480
ccagccctag gagtgtggag ctgggctggc agctggtaaa tgacctctc ggggcctgaa 540
taaaccctag cttttcactc acagcaaact caggatgctt tctcctctct aaaagacctg 600
ctgaattgag tcactttcaa tcctttctgg agtaggatgg ggcattagtt aattaacaaa 660
ttaattaagc atgctaaata gtcaccacaga agatactggt 700

```

<210> 1203

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1203

```

gctgggctgg cagctggtaa atgacctctc cggggcctga ataaacctta gcttttctact 60
cacagcaaac tcaggatgcc ttcctccctc taaaagacct gctgaattga gtcactttca 120
atcctttctg gagtaggatg gggcattagt taattaacaa attaattaag catgctaaat 180
agtcaccagc aagatactgg tcacttaagg gtctccaaat cacagtatag gtcccacctt 240
accagacac ctaatcttgt ttcagggttt gcttgacctc aggcatttat ctctgggttg 300
tcattggaatc tgctcagata aacagcagca caccaacctg gcccctctgc cagcctcaga 360
tccttctaag gcagtggagc tccctggtgg ccaccagcca cccgggctcc aggagccca 420
acacacactc ccattgctgag gtctctcgca tgacctctct aggcacacag taggtgctca 480
gtaaatgctg tggcatgaag gacctcctg gagtgctga gttctcaggc ttcaaggccc 540
ctagataagc agatttctct cccctatcac catagtcacc ccagggactg cagggcaggc 600
cgaaatcagc cagtactca gctccttggg caattcagct ggccacaga ccacttcctc 660
tgctccccag cgccggatgg atgcagatct gtgagtaagg 700

```

<210> 1204

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1204

```

ggacctctct ggagtgtctg agttctcagg cttcaaggcc cctagataag cagatttctc 60
tcccctatca ccatagtcac ccaggggact gcagggcagg ccgaaatcag ccagtactc 120
agctccttgg gcaattcagc tggcccacag accacttctt ctgctcccca gcgcgggatg 180
gatgcagatc tgtgagtaag gagccagctg caggcaagca gctcaggggc aggtgggcat 240
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acctgccatg tgccagtggg acaccacct catggtctgc gtttccagggt ttccaactaa 360
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ttcccctctg tgatgttcag ctacgcctgg aaaggaggta agaaagacca gactacctga 600
tctctcaagg tcaccaaatt caaccactgt cctgtttaaa agcgggtagt acagaggcca 660
gtgtgggctc tggaatgaga catgtgaagc ccgggtctgc 700

```

<210> 1205
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1205
 agcagctttc gctgtaaagt ttctcaagaa aatcacagat attccctct gtgatgttca 60
 gctcagcctg gaaaggaggt aagaaagacc agactacctg atctctcaag gtcaccaa 120
 tcaaccactg tctgttttaa aagcgggtag tacagaggcc agtgtgggct ctggaatgag 180
 acatgtgaag cccgggtctg ctgggtctgc tgcacggtag cagtgtagtc ttaggcatta 240
 ttgaaactct gtttctaaat ctggttatgt gaatgaaagg ggctaattta tgtaacactt 300
 ttagtatact aagccctcaa tatagttttag ctacttaact attgtcttct ttgaaggacg 360
 ctgaactaaa cagaagagaa acagggaaat aaacagcatg gcaacctaca tcaacagaaa 420
 cttaattatt caccctggat aactgagtgt gtgagtgtga ctgcaaataa caatatagca 480
 aagagaagtt tgagatcttt ggctcagtca ttctagaatc ctgagtcaca gcaaatgcac 540
 agcctccatg aggctgagcc acacatgaaa gctgcttcca cccacagact ggtagaggcc 600
 actgacatgc ttaacgatga tgatgatgat aaaaatagct accacgggct accacgtgca 660
 cacacatggt aagcagttca aacaggttat tttgtttaat 700

<210> 1206
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1206
 tggctcagtc attctagaat cctgagtcac agcaaattgca cagcctccat gaggctgagc 60
 cacacatgaa agctgcttcc acccacagac tggtagaggc cactgacatg cttaacgatg 120
 atgatgatga taaaaatagc taccacgggc taccacgtgc acacacatgt taagcagttc 180
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 ttttatagag gtagaaactg agagttgaag aggtgaata atttctcaag cacactccca 300
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 tggacatctc ccctgtgcta tgctccctga aggaaaattc taagtgggtg tgtttctggg 420
 agaaatctac ctgtgtggtc tttaaacctc ctctgacagg agcaagggcc accactctgt 480
 atctaagacc actgggaaca gtcttcaggc aacaaggtga ccagggcagc tgcagagggt 540
 atctatgccc ctgcccccta gcgcaaaagt ctgtttctct ttccaaatgg cccgctggga 600
 gcaactatgt agggagacca tacctcctcc cacactcagt tcccaggcct gagccacaga 660
 gtccctgccac aggagggagg acctgcctgt cctgctccct 700

<210> 1207
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1207
 agtcttcagg caacaagggtg accagggcag ctgcagaggg tatctatgcc cctgccccct 60
 agcgcaaaag tctgtttctc tttccaaatg gcccgctggg agcaactatt tagggagacc 120
 atacctctc ccacactcag tccccaggcc tgagccacag agtcctgcca caggagggag 180
 gacctgctg tctgtctccc tccccactcc aggttcctgg aggcctctgt gatgattccc 240
 caggaaggac tacaggatct ggcaggcagc aggtggcggt gggaggagga gagtccctgg 300
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 cctgtctccc acaaattgcc caccagagg ggctaattgcc taggattgag ggtcttgtgt 420
 gctgaggaag tctgtcccc caatccccta caaaagccag aaccagctac taaggggtta 480
 gacacagaca gaactgtcta tattaacatt tcctcctaaa aaacaacagg aatcctgggg 540
 aaagaccact ggctggggac tccatgagcc ctggcttcta tctctggctt tatcaggtga 600
 ccacaggcaa gtcacctagc ctccatggtc taggcctccc tgctgttgg gtgggaatca 660
 ttacatatca caatcattac agctgacctt cagggaggct 700

<210> 1208
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1208
 atattaacat ttctctctaa aaaacaacag gaatcctggg gaaagaccac tggcctggga 60
 ctccatgagc cctggcttct atctctggct ttatcagggtg accacaggca agtcacctag 120
 cctccatggg ctagggccctc ctgcctgttg ggtgggaatc attacatata acaatcatta 180
 cagctgacct tcagggaggc tgtactctgg gtcaggaatt gtgttgggtg cattatcata 240
 tttattctca cagcaccctt tgcagtagct actattttca taccattct cagatgaggga 300
 aactgtggaa caggctgggt aggggacatg cccaaagtga caaacttagc aaaggtggac 360
 ctggcactca gtaccacatc tgtttttcca tgcctttaac cactgtaaca tacagagccc 420
 ttttacagag atcaaggaca gaggtaaaag tgttttgaaa gcaaaaaaaaa aaaagcgggg 480
 aggatgcata aaataaacat aaatcacccc ctgccccgcc cagacataat tcagggaaga 540
 gtcctaaccc ccaagaacct tctgtggaac ttattcgcaa catcagagac ctccaacata 600
 gaaatgaccc tcaataagtc atttctttct tctctttcc cttcaggcag gaataatata 660
 actaactgaa ttatacaggg gagaccacga aggtcaagca 700

<210> 1209
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1209
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 catttctttc ttctctttc ccttcaggca ggaataatat aactaactga attatacagg 180
 tgagaccacg aaggtcaagc aagggtagcc agcttaggcc cctggctggc aggttaaggag 240
 gagactgacc ccagcctcct ggctcctagg ggaggaaaca gtgatgacaa aggccctttt 300
 gcatggccaa ggtggagccc tttctaccaa agtttaaacg ttttagtata atatccaagt 360
 gcatcttttc caaccttaaa aacatattta atttccttat aaagctgggt ggcactctcc 420
 tctctctcca agctctgta ttaggcaggg ttcatagttg tagacaacag aatgaacagt 480
 ggtagttca gccagaaaag ggatgatata ggaggatact ggggtgatca aaggctctct 540
 gggagggctg cagatttaga gccagtcagc caggaacgat gcctgaaaca taccttagag 600
 ctggagaaaag aacaaaaccc tacctttctt caatagctgg caaggtggca aggtctggcc 660
 ccatgcagcc tgggctcttc ccactctcct ctctccctaa 700

<210> 1210
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1210
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 ctacctttct tcaatagctg gcaagggtggc aaggctctggc cccatgcagc ctgggctctt 180
 cccactctcc tctctcccta atgcgttgcc ctactcgtg cttcccaggc aatccacct 240
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 ctggctagct caaatgccag gtttctgcac aaatgctcct ccttagagag gccttcttgg 360
 acctctaggt ctctggccct agtactctat cccctctccc tgctttctct ttctacttca 420
 ctgctcctta acattgtgtt atacattgtc tgtctcccca actggaatgt aagtggcacc 480
 agggcaggga cttgggttgt tttgttccct gctgtaagcc cagggccagc ggccagacct 540
 ggaacaatta ggtgctaagt tatttgctga atattctatg aagggaatgac aaagggaatgc 600
 ataaagaact tcaaagttca actcctcgaa cttcaaactt caaatcccca actcctctg 660
 cctatgctgg acgattaggg cagtaacagg agtcaacttg 700

<210> 1211
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1211

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aactcctcga acttcaaact tcaaattccc aactcctcct gcctatgctg gacgattagg 180
gcagtaacag gagtcaactt gtgctgtgct gtcaccttgc ctggatccgc atcagccctg 240
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cctctgcagc tcttggaact tatctgggct gctgctgtgc agaccatgga tgcgtagctg 360
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ccctttcacc ctataaacag ttcagcccag ggagtgaggc tgacacgcaa atgcagctat 480
gtatagactc agagtcattc aaggtcaggc ctgggtggag ccttggtcac atgcaggcca 540
acctgtgtct ggagataatg caagccagtg caggggttag cgtgtacatg gactctggag 600
tctggcagat ctaagcccca cccaccaacc tgtgaccttg gagaattatt tgaaaagaca 660
ttatttgaaa agcagatgta aaatggaaat aaaagttcct 700

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<210> 1212

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1212

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caaggtcagg gctgggtgga gccttggtca catgcaggcc aacctgtgtc tggagataat 60
gcaagccagt gcaggggtta gcgtgtacat ggactctgga gtctggcaga tctaagcccc 120
acccaccaac ctgtgacctt ggagaattat ttgaaaagac attatttgaa aagcagatgt 180
aaaatggaaa taaaagttcc tatttaaaac agtcagttgt ccccatcca gaagcctatt 240
acagttgtcc ctcagcatct tcgaggaatt gggtccagga cagctcctca gataccaaaa 300
gccacgatgc tcaaattcct tataaaaagt gacgtagggc tgggtacaat ggctcgtgcc 360
tgtaatccca gcactttggg agaccgaggt gggcagctca cttgaggtca ggagttcaag 420
accagcctcg ccaacatggg gaaaccccg tccctctaaa aatacaaaaa ataggcgggc 480
ttgggtggcat gcaactgtag tcccagccac tccggaggct gaggcattgag aattgcatgg 540
atccgggagg cggaggttgc aataagccaa gatcgacca ctgcactcca gcctgggtga 600
cagagtgaga cttcatctca aaaacaaaaa acaaacaaac aaaaaatgtg tagcacagtc 660
agccctccgt atccacaggt ccacacacag aacctgctgg 700

```

<210> 1213

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1213

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gtcccagcca ctccggaggc tgaggcatga gaattgcatg gatccgggag gccggaggttg 60
caataagcca agatcgacc actgcactcc agcctgggtg acagagttag acttcatctc 120
aaaaacaaaa aacaaacaaa caaaaaatgt gtagcacagt cagccctccg tatccacagg 180
tccacacaca gaacctgctg gtatggaggg ccaaccgtgc ttcctattct tttttttttt 240
tctttgagac agagtctcac tctgtcacc aggtggagt gcagtggcac aatcttggtc 300
cactgcaagc tccacctccc aggttcacgc cattctcctg cctcagcctc ctgagttagc 360
gggactacag gcacacgcca ccatgcctgg ctaatttttt gtatttttag tagagaaggg 420
gtttcaccat gttagccacg atggtctcca tctcctgacc tcgtgatcca cccgcctcgg 480
cctcccaaag tgctgggatt acaggcgtga gccaccgcgc ccggccactt cctattcctt 540
atggtatcaa attcaaactc cttggcttga tagtcaaact ctcaccacga ctgaaatctg 600
gttaaccaac ctgtccaata caatctctct gcactcctcc aaataatgtt caagttggac 660
ctaagtgtct cctagtcctt ctcacacctg tgtgacctga 700

```

<210> 1214

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1214

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tacaggcgtg agccaccgcg cccggccact tcctattcct tatggtatca aattcaaact 60

```

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ccttggttg atagtcaaac tctcaccacg actgaaatct ggtaaaccac cctgtccaat 120
acaatctctc tgcactcctc caaataatgt tcaagttgga cctaagtgtc ccctagtcc 180
tctcacacct gtgtgcctgg aaacaccacc caccttcttt tctctcatct gaatttacta 240
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gggcattcat gatgggacct gcccctgggg ctctagtatt tgggtgttaca gggaggaaca 360
cagttttgat tccccaaaca gaacaaagga tcttgagggg caactgtctg ttgtcatttc 420
atgtctcccc caaccaggca ttaaaacacg catagaaatt cctgctgacg ggctcttgtg 480
aagttacaag ttacaatttg gtgaaaatgc cccaagtat ttcctctatt tcccaaggaa 540
aggaaaagaa agatatagaa attaaattaa agacaaactt aaatcattcc catttctgca 600
tgcttggtct gtgtgggaaa aaaaaatcat tcatctctg tctgcaacgc agacttgaca 660
agttgagaaa ctccctaata acaaaagcata caaaaaaaaaa 700

```

<210> 1215

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1215

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ggtgaaaatg cccccaagta tttcctctat tcccaagga aaggaaaaga aagatataga 60
aattaaatta aagacaaact taaatcattc ccatttctgc atgcttgggc tgtgtgggaa 120
aaaaaaatca tttcatctct gtctgcaacg cagacttgac aagttgagaa actccctaaa 180
aaciaagcat acaaaaaaaaa aatcatacca attagtctca cttaaagggt tcaggaagga 240
aaacacagtt aaactgaaaa cgggttaactg gtgtttaaaa aaaagaaacc agcccgga 300
tgtttttagg actgctgcta tgaagtcct ttagggactg atttgtcctt caatatattc 360
atagcacctg ctttcaccaa aaccagcag cccaacgcta gagctttgtg agtgagatgc 420
agagtgaac tggacatgga gctacacagc tctgaatcat gttccccaac agcaagcaac 480
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tacaacacag aaatggcatc ctgcaacccc agcttctct tctgcccgat tctctctct 600
gtccatgctt ctgcttcccc attggccccc tggccaaata cactcagaaa aaagtccatg 660
cacaagcctc caccctaaatt aattccacat tctttcaaga 700

```

<210> 1216

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1216

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ggcagtgcct tctagccact acagtgggccc atgggaagcc gtacaaacag caaatggcat 60
cctgcaaccc cagcttctcc ttctgcccga tctctctctc tgtccatgcc tctgcttccc 120
cattggccca ctggccaaat aactcagaa aaaagtccat gcacaagcct ccacccaaat 180
taattccaca ttctttcaag agaggccttg aaaggtactg aaattcaggg aagctcttca 240
ctagaccctt cactggaatg ccaagaagtg atgtagtggc ccttgacata agggcttatt 300
ccattttatg aaactgaaat tattttattc taagcacaaa gctaacaaat gtgatcaaaa 360
cagaaaataa acaatcctca ttcaagtgtc cagaatgcag cacaaatagg atcttgggat 420
aaataagata gagctgtgaa attaataggg gtgagaagag gggagggtca gcgggagaag 480
tccaccaagg ggctgaaagg cctgtgcagg cagacggaaa ccctgggttc ttaggggcca 540
ggcatgacag tgcagaatag tccaccctgg gactgactgg aagaaggact gcagggtccc 600
cgtgaagaac acctcacact cccagcttgc cacacacttg ttgaactatt ctgggtggat 660
acctctacc tggatggcaa aggagacagg cccaagatgc 700

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<210> 1217

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1217

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gcctgtgcag gcagacggaa accctggggt cttaggggccc aggcattgaca gtgcagaata 60
gtccaccctg ggagtgactg gaagaaggac tgcagggtcc ccgtgaagaa cacctcacac 120
tcccagcttg ccacacactt gttgaactat tctgggtgga tacctcctac ctggatggca 180

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aaggagacag gcccaagatg cagaagggaa ggggaagtcac acttacaatg cagaggatgc 240
gcccttgctc ctcatactct ctgaaacatt gcaggaataa ttctggtttc actgctattg 300
tttgttgttt ttgtaaaata accgcaaaaa tcaacaaatg gcctcaaaat tgaacacatg 360
tgatttacac caattcatat atcaaaacac aaataatgca gaacaaatta gagaaaaact 420
ccagtcaggc tctccactca cccatggctg gtggctggca ttcaactctc cagcagccag 480
ggagtccatt ttcttggttc tctgctggcc atcctcagga cttgcgggcg ggagtggggg 540
gcccaggggtg tgctgccacc tgcaggccaa acaaggaaaa aacataagca acggccacaa 600
tcatccgcct gaagcccctc ctatatcctc aggccgctgg aagacctgga tgcccgtcgt 660
gggacaagag ccagaagcac tcacccagtg ccaacacctg 700

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<210> 1218
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1218
ctctgctggc catcctcagg acttgcgggc gggagtgggg ggcccagggt gtgctgccac 60
ctgcaggcca aacaagggaa aaacataagc aacggccaca atcatccgcc tgaagcccct 120
cctatatcct caggccgctg gaagacctgg atgcccgtcg tgggacaaga gccagaagca 180
ctcaccagt gccaacacct gctggggcac aaacagtctc tgcttgggat cccaacacag 240
gcagcagagt cagcaaaaac tctaagatat caagaagtca agcatttctt aacaacagca 300
gcaaactctt acacaggggt gtggttacca gacactgtct taaataactt acacttggtt 360
acttatttca tcttcacaac aacgggtaaa tattttaggt ctctgccaat ttgcctgatt 420
actgaattag gttgaatcat taaaatgaat aacttgataa tacccaattt caaagagggg 480
tcacatatga aaactctatg agagattctc agcatcttgc agacattcat tccctaaata 540
ttcattgagt gtttggtatg gacgagacac tgttctagga cctgggaaga gaggagcgaa 600
cacacaagac aaagtccctg ttctcacgaa gcttctgttc cagtgcgggg aggcaacagt 660
agaaaaggag acaaatgcc a tgcagaagaa aaagcaggga 700

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<210> 1219
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1219
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ggacgagaca ctgttctagg acctgggaag agaggagcga acacacaaga caaagtccct 120
gttctcacga agcttctggt ccagtgcggg gaggcaacag tagaaaagga gacaaatgcc 180
atgcagaaga aaaagcaggg aaaaagagat agagcacaat gacaatgctg ttaataccca 240
ttcatttatt cacttatttc caaggactta ctaaccatgt catttcttgc ccacagctgc 300
atgccaggca ctatgccaga taaaattgtg ggtaagaaat agacatgggt tctgcctgta 360
tggagtactt acataagagg aacatctatt attagtcaaa taatcaccta aataaatgca 420
aagatgttaa tctgtgatag gtgtgatagc agaattgcat gtagtccttg tgagagcatc 480
tcaaggaggc ctgacctgtg ctaaggggag gcctgaaatg gagtgtgggg aggagcaatg 540
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agaggtttta ggcgggggtg agtggtcac acctgtaatc ccagtacttt gggaggctga 660
ggcaggtgga tcatctgagg tcaggagttc gggaccaacc 700

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<210> 1220
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1220
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gctataaagg aatatctgag gctgggtaat ttataaagaa aagaggttta aggcgggggtg 120
cagtggctca cacctgtaat cccagtactt tgggaggctg aggcaggttg atcatctgag 180
gtcaggagtt cgggaccaac ctggccaaca tggtgaaacc ctgtcgctac taaaaacaca 240
aaaattagct ggtgtgggtg gtgcacgcct gtaatccag ctacttggga ggctgaggca 300

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```

gaagaattgc ttgaactgga gaggctgagg ttgcagtgag ccaagatcgt gccaccgcac 360
tccagcctgg gtgacagagc gagaatccgt ctcaaaaaaa gaaaaagaaa agaaaagagg 420
tttggctcac agttctgtag actgtacaag tgtggcacca gcatctgctt ggcttctggg 480
caggcctcag gatgctcaca atcatgggtga aaggtaaagg gggagctggc atgtcacatg 540
gcacaagaag gagcaagaaa ggggaggagg tgccaagcct cctttaaaca accagctctc 600
gcctgaacag agtaagaact cactcattac ctcggggagg gcaccaaacc attcatgagg 660
gatccagccc catgacccaa acacctccca ccaggcccca 700

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<210> 1221

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1221

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aatcatggtg aaaggtaaag ggggagctgg catgtcacat ggcaacaaga ggagcaagaa 60
aggggaggag gtgccaagcc tcctttaaac aaccagctct cgctgaaca gagtaagaac 120
tactcatta cctcggggag ggcaccaaac cattcatgag ggatccagcc ccatgaccca 180
aacacctccc accaggcccc acctccaatg ctggcgatca catttcaaca tgagatttgg 240
aagagacatg catccaaacc atatcaagca gtgtccctgt caaaagcaca ccctgtgcac 300
aggctgggatc atgggtagtt ggcaggggaca ggaggcaggg tgaagctgga gaagcagtg 360
aggtgaccct tgcattgacac tcccagccac aagaggagtt cgagccttaa ccctggagaa 420
ctggagcacc acacaagggg cttaggcaga ggattaatgc atttagatgt gtacttttaa 480
aagattatct atgtaggctg agtaatggcc ctgccaagaa tgtctatgtg tgaatccctg 540
gaggttgtgt gtatgttccc ctatatggca taagggacat tgcaaagtgt atcgagttaa 600
gggtcctgag aaccggagat tatccagggt ggcccaacat aatcacaagt gtccttataa 660
gaggggaggca gggggagatc tgacttcaga tgaggagcct 700

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<210> 1222

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1222

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gagtaatggc cctgccaag atgtctatgt gtgaatccct ggaggttgtg tgtatgttcc 60
cctatatggc ataagggaca ttgcaaatgt gatcgagtta aggttctga gaaccggaga 120
ttatccaggt gggcccaaca taatcacaag tgtccttata agagggaggc agggggagat 180
ctgacttcag ataggagacc tcagaatgat gtggcacgag aaagacttgg cttcgaagag 240
gaggaagggg ccctgagcca gggaatgcag tggcctctag aagctggaaa aagcaacaaa 300
acgattctcc tctagagcct ccagaaggaa cgcagccctg ccaaagcctt aatttcagga 360
cttctaaaag agtaaatgtg tgttgtttta aggcaactgat tttgtggtaa tttgttacag 420
cagcaatagg agaataggac atactagctc ctgtaaaaaa ccagactgga cgtaagggcg 480
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tgcaccacag tgggtggcgt ggggatggag aggagtgggt cagttgaagg accccagcag 600
gggaagagct gaccagtcaa aggtctcgct gcaatctggc agatgttact ggaatgccac 660
aacaggcctc ttccaggctc aggcctgggc tggctcacc 700

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<210> 1223

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1223

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tagaggtcac tgctgtgggc caggcaagag gtgtgagagc ttgcaccaca gtggtggccg 60
tggggatgga gaggagtggg gcagttgaag gacccagca ggggaagagc tgaccagtca 120
aaggctctgc tgcaatctgg cagatgttac tgggaatgcc caacaggcct ctttcaggct 180
caggccctgg ctggctcacc ctggctacag ccagcagct ttacagaagg aggaagctca 240
caccagggct gtagaccact ccaggcgaga tgcaccattt actacttaa cctgccaacc 300
ccattcccac aaaaaagttc aagagtctcc aggaacaagc cctaagaaaag aacacgtggg 360
gaatttttac taggcaaaa gtagcaatta tttctgcca gcattaagcc ttgcagcgaa 420

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```

ctttttttttt ttttccgtga acagagattt tgtaattctg gaagagaggt gtccagattt 480
aaatatacac atctccaaca caggtgatac agaaccatga ttaaatctaa catctaaaaa 540
cttcatggtc agcagaaaaat gcagaaatta aagaaagact aaacaagaaa ctaggagact 600
cagcgtctac tctattcttg cttaataatc cagacctact taaaaaatgg gatcctaatt 660
tggtcctgtt taatggagct gtcaagaaga aaaagcaata 700

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<210> 1224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1224

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acaggtgata cagaaccatg attaaatota acatctaaaa acttcatggt cagcagaaaa 60
tgcagaaatt aaagaaagac taaacaagaa actaggagac tcagcgtcta ctctattctt 120
gcttaataat ccagacctac ttaaaaaatg ggatcctaatt ttggctcctgt ttaatggagc 180
tgtcaagaag aaaaagcaat aaaaattatt cgagagaatt ttagaaacat tctcccatc 240
tactccaaaa atataaatat gcacactcca aaaccaagta ccttggactg tactgagaga 300
tgacaatgac gtcttaaccg tactatttcc ccatgatgtt gcagcaggcc acagggacct 360
aactgaattg taagaacatg aaaggaccca ggaatgcctg cagatgacaa aataccaggt 420
agtccgtgca gtgtaggagc atgttaattt aaaaatagat atatttttct ggtgacaaaa 480
gtgacatgtc tattactgga aaacacaaac aactcctgta gtccaatgat ccagagataa 540
cccatttgga aatattttct tccagtcttt tttccccatt gatttcggca caggcgcgcg 600
cacacacaca cacacacaca cacacacaca cacactcata cttcattttt aacaaaatta 660
caatactgta tatactttta taaccagttt tatataacag 700

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<210> 1225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1225

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aaaacacaaa caactcctgt agtccaatga tccagagata acccatttgg aaatattttc 60
ttccagtctt ttttcccat tgatttcggc acaggcgcgc gcacacacac acacacacac 120
acacacacac acacactcat acttcatttt taacaaaatt acaatactgt atatactttt 180
ataaccagtt ttatataaca gtatataatc ctccatgtat taaatacagt ttttcataat 240
gctagtattc catcatatga aagtaggaaa atcacttaac caatccctaa ttgctgaaca 300
actgagtagt ttctaacttt atggtaacat aagtcattgg gaggaacctc ctcatctacg 360
ggaatatccc tagatataaa tctatgtcta tagctctgat tatttcctta gggctcctatt 420
tctacatccc atgcattgcc attactattt tgctataatt aattaccatc tgtaatgtac 480
ttaacatttc tctttacatc aactcatttc tgtccttaaa caaatgtatt ttaaaagcaa 540
acctgactcg gtgtagtggc tcacacctgt aatcctagca ctttgggaaa acaaggcagg 600
cggattgcct gagctcaaga gttcaagacc agcctgggca acatggcgaa acccgtctg 660
tactaaaaat acaaaaaatc agccgggtgt ggtggtgcgt 700

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<210> 1226

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1226

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caactcattt ctgtccttaa acaaatgtat tttaaaagca aacctgactc ggtgtagtg 60
ctcacacctg taatcctagc actttgggaa aacaaggcag gcggattgcc tgagctcaag 120
agttcaagac cagcctgggc aacatggcga aaccccgctc gtactaaaaa tacaaaaaat 180
cagccgggtg tgggtggtgc tgctgtagt cccagctact caagaggctg aggcacaaga 240
atcgcttgaa cctatgaagc agaagttgca gtgagccaag atcatgccac tgcactctag 300
cctggacaac aggacaagac tctgtctcaa aaaacaaaca aacaaacaaa caaaccttat 360
ttaagtggaa aaccaacatc atatgccata aatgaaggca atcataatag gttttattgg 420
aataaaaaaa cactgtggtt aaaatatagt caaaatactg ctaccctttt gccattctt 480
ttatataaaa tgggagatta gagaggctta gagaggtgtt aaaggtatgc tagcaccaag 540

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ctaaagtttt tcaccttccg ttgatcagaa gactgaaaag gaattgagca tgggaataac 600
tttctcactg tgagtcagtg ttagacaatg tggcaaatgt gtcccaacta gaattaccct 660
gcgccacctg aaataacctc atatgaaaaac atgccttagg 700

```

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<210> 1227
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1227
agagaggctt agagagggtg taaaggatg ctagcaccaa gctaaagttt ttcaccttcc 60
gttgatcaga agactgaaaa ggaattgagc atgggaataa ctttctcact gtgagtcagt 120
gttagacaat gtggcaaatg tgtcccaact agaattaccc tgcgccacct gaaataacct 180
catatgaaaa catgccttag gacatattcc tggaagtaga actgggataa aaggcatgga 240
cactttaagc agcttctgat aaccacagcc caaacacccat ccaagttagt tttaccacag 300
ttttactatg actgtgtcca ttttacttca cgttcacaaa tattaagtac tataaacaaa 360
atattaaaaat agttaaaacg tttcagcttt ttgatgtaaa atatccagca gctgaatctt 420
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aacctttaat tagtggttaag cttacaacaa actgatactg cacttggttt caccaagctg 540
aagtaaacct tgtaaaagat gaggaagtga ctttagcatt tgcaaatatt tcagaatgcc 600
tttgtgccag caaagggtcaa acaacgatca gaattgcatg gattccaaag tatacttttg 660
ggaaataaga gactcagaga agcattactc aagatacaat 700

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<210> 1228
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1228
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aacaacgatc agaattgcat ggattccaaa gtatactttt gggaaataag agactcagag 180
aagcattact caagatacaa ttcactatga attttcagca attcaatgaa aagtctaaaa 240
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ttgtagatta atgcaattgt taatatttct aacatagaaa aaggaaattg tattttgaag 360
caagaagaat taataacaat tggaattggt cagggttatt taataattcc caggcagata 420
cctatgtgta tatgtgcctg tggggaaaag gtaaggaaaa agagacgtga gaaaacatac 480
ttatgtaatt ccagcacttt gggaggctga ggcggtgga tcactagggtc aagagattga 540
gaccatcctg gccaacatgg tgaaaccccg tctctgctaa aaatacaaaa attagctggg 600
catggtggga cctgtagtcc cagctactcg ggaggctgag acagggtgaag tgcttgagcc 660
cgggagggtg aggttgcaga gagctgagat tgtaccactg 700

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<210> 1229
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1229
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ccagctactc gggaggctga gacagggtgaa gtgcttgagc ccgggagggt gaggttgag 180
agagctgaga ttgtaccact gcactccagc ctgggtgaca gagcgagact ccatctcaaa 240
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gttctgatta atttttgcca gagacaaaaa tacaagttta tctaagctta agaactaaat 360
gatggcctat tgtaagatat agaacttcca actcactgaa taaaaagaag gaaagaagaa 420
acaggggaca aatacacttt gatgaatcca tagagtcaca aggaaaaaaa aaacacacat 480
gataaataca tggcaaaaaca agatggcaaa aataagacca catttatcag tgatcaaaat 540
aaatatgaat gaattaaatt ccattgttaa aagaccaaga ctttcaccct aaatgcccct 600
aaatggaaaa tggataaatt atggtatgta ttccatttta atggatgtgt atgtgtgtgt 660

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atgtatgtgt atgtgtgtgt atacaccaca gaaagaggcc

700

<210> 1230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1230

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tatggtatgt	attccatttt	aatggatgtg	tatgtgtgtg	tatgtatgtg	tatgtgtgtg	180
tatacaccac	agaaagaggc	ccatgagttt	cagtttagaa	agatgtagaa	atatatttgt	240
ataagcatag	gaaaggggtc	agaaaaacac	accaatatga	tatctgtggt	tgccataaaa	300
gagcagttta	cctatgagtt	tcagtttaga	aagttgtaga	aaaatatttg	tataagcata	360
ggaaagggtc	cagaaaaaca	caccaatatg	atatctgtgg	ttgcctatgg	aggctgaagt	420
ggactttcct	gtctcacttt	acaaatgtct	atactgtttg	aatttattac	aaaagcatat	480
gactaaagaa	acatgaaaaa	atggaataat	aaacataagg	gcagaatcag	caaaatagag	540
gacatagagg	acaaaaaaa	aggtgggtta	caaaacttga	agtattttatt	tgaaagtaga	600
caaacctcta	gtgagactga	tcaagaataa	ctgacagaag	atttttttaa	aatgagatta	660
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<210> 1231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1231

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atcagaataa	actgacagaa	gattttttta	aaatgagatt	acagaaaaag	gaagaaatga	180
caaataaaaac	agacatttta	aaacttataa	aggaataata	taaacacatg	ataatacatt	240
tgaaaataca	gatgaaatga	ataattttcta	gacaataaaa	attgccaaat	ttggcacaaa	300
aatgtgaata	accacttaag	agactcaaat	aattttgaaa	cctcttcccc	atagagtttc	360
agaccagaa	gatttttaca	gtgcctccta	ctaacttcca	aggagcagaa	aatctctatc	420
ttaatggagt	tgcttttaga	aatagaaaaa	aagagaaaaac	attgcccaat	ttgttacttg	480
attttgaat	gtttaaata	gactgtacaa	ataaagaaaa	atacaggata	gtttcactta	540
taaacataga	tgttaaactc	ctaaataaaa	tattatctaa	tcaaatacga	aagtgtatta	600
caaatacatc	atgataaagt	aattcaccac	attagtcgat	tgtggaagag	gttactagt	660
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<210> 1232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1232

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taattcacca	cattagtcga	ttgtggaaga	ggttactagt	gctcaccagt	ctctcgttct	180
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catgagacta	gtccatgcca	atggaatgtg	aatggaagt	catctaattt	tctggctcat	300
gaaaacagca	gcattttctc	tatttttctt	ttttctttct	ttgttttttt	tagacggagt	360
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gtgccacaat	gcctggctaa	ttttgtatct	ttagtagaga	cggggtttct	ccatgtttgt	540
caggctggtc	tcaaaactcc	gacctcaggt	aatcagcccc	cctcggcctc	ctgaagtgtc	600
gggattacag	gcgtgagcca	ccgtgcccgg	caagagcagc	attttctaaa	agcaatcagt	660
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<210> 1233

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1233

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at t t t t g t a t t   t t t a g t a g a g   a c g g g g t t t c   t c c a t g t t t g   t c a g g c t g g t   c t c a a a c t c c   60
c g a c c t c a g g   t a a t c a g c c c   g c c t c g g c c t   c c t g a a g t g c   t g g g a t t a c a   g g c g t g a g c c   120
a c c g t g c c c g   g c a a g a g c a g   c a t t t t t c t a a   a a g c a a t c a g   t a c t c a a c a c   c a t c c t g c t g   180
a g g t a g g g c a   g c g g c g g a c t   c c a t g t t t t g   a a a c t t a g g a   a c t t a g a c c a   t c t t t t g t c a   240
a a t t c a g a t g   g t t t t c t c a a   a g t a a a g a t c   a t t c a a g t t t   t g t t t c a g t a   a t g g g c c g t a   300
t g a t c a g a t c   t g t g t g a t t a   g g c t g a a t t c   a t t a t t a t t g   a g a c a a a a a t   t g a g t t a a a g   360
g g g a t t c t t g   g t a t t g g c c t   g c a a a a c c t g   t c a t a a c t t a   a a t g t a a a g t   t t c t g a t g a t   420
t t a g t c a c t t   t a c t c t c a g c   t c t t a g c t c t   t t c a c t c a c c   t g t c c t t g t t   c t a c a c a a c c   480
t g c c t g a t g g   g t a a c t t g a a   t a c a t a t t t t   c t c t c t t c a g   g g g a t g g g a a   c g c c c t a a g g   540
g c a g g g g c t g   t t t c c a c a g c   c c t g g g g t g g   a a c c c c c t t c   c t g c a t a c c a   a g a a t g a g t t   600
g g c t a t a c t t   g a c g a a g g g c   a a a g a c a a g g   t g g c a c g c a t   c t t t c a t g c t   t c t g c t g g c a   660
g a t g c a g t g g   a c t g g a a a t t   t c c t g g t c t g   g g a a g g a c t c   700

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<210> 1234

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1234

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a t a c a t a t t t   t c t c t c t t c a   g g g g a t g g g a   a c g c c c t a a g   g g c a g g g g c t   g t t t c c a c a g   60
c c c t g g g g t g   g a a c c c c c t t   c c t g c a t a c c   a a g a a t g a g t   t g g c t a t a c t   t g a c g a a g g g   120
c a a a g a c a a g   g t g g c a c g c a   t c t t t c a t g c   t t c t g c t g g c   a g a t g c a g t g   g a c t g g a a a t   180
t t c c t g g t c t   g g g a a g g a c t   c g g t c t g t g a   g t g c a c c t a t   c c c t g a c a t c   t a t g c t a g c c   240
c c g g g a t g g g   g g c c c c a g c a   g a g t a a g g c c   c t g a c t t c a c   a t g g a c a g g g   c c a g g g c a a g   300
g g g g c c a c a t   c c t g g c c t a g   t t g c t c t c c a   t g c c c g t g a t   c a a g g g a g a t   g a g c t g c c a g   360
c t t g c t c g g t   c a a g g a a c a c   t t g g a a g g c a   c t c c a a g t g c   c c c c a g g t g c   a c c a g a t c t a   420
g g a a a c t t a a   g c a a a c t a c a   t g a g g t a t g g   g g t g g g g c c c   a g t g g g a a a a   a t g a g t c t g a   480
c a g g t c a g a g   g g a g t a g a t t   a t g a g c t c a g   g t t a g g c a t t   c t g t t c a g c a   t t t t a c g t a c   540
a c c c t c c c a c   t t t t g a t t t t   t a c c a a c a c c   c a g g g a g g t c   g g t g c t c t a c   a a a a g g g a a a   600
g g c g t g c t c a   g g t g g c c c g a   c t t g c c a c g g   t t c c a g c t c g   a c c c c g g g c t   g c t a g c c c c t   660
t g g c a c g c t t   g t c t g a g g c c   t c c c a g g t c t   t c c a g c c t g g   700

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<210> 1235

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1235

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t a t g a g c t c a   g g t t a g g c a t   t c t g t t c a g c   a t t t t a c g t a   c a c c c t c c c a   c t t t t g a t t t   60
t t a c c a a c a c   c c a g g g a g g t   c g g t g c t c t a   c a a a a g g g a a   a g g c g t g c t c   a g g t g g c c c g   120
a c t t g c c a c g   g t t c c a g c t c   g a c c c c g g g c   t g c t a g c c c c   t t g g c a c g c t   t g t c t g a g g c   180
c t c c c a g g t c   t t c c a g c c t g   g c c t g g a g g c   t c a a a g c c a c   g a a a c c c a a g   g g t g c c g c t t   240
c t c a g g c c c t   c c c c g c c c c c   a c g g c a g a a c   c c c t g a c c c t   g c c c g g g t c a   a a c g c c t g g c   300
g t c g g g c c c g   c c g g g t c c g c   a a g g a g g a g c   c c g c a g g c g   g c c g c g a a g g   g g c t g t g c t t   360
a c c t c g c c c g   c g c g g g t t g   c g g c c c a g g   g c c c g c g c t c   c a g g c t g g c g   g c c g c t g c a t   420
t c t g c g c c c c   t c g c c t g a a a   c g g c a g c t g c   g c c a g t c c t g   g c c a c g a c c g   c t t t c a t t t t   480
c c t c a a c g a c   a t c g g c a g g a   a a g c g a a a g c   g a a a c c c t c c   g g g a g g c g g g   a c c g g g g c c g   540
a g c g c g c a g t   g a a c g c g g g g   c g c g c g g c g g   g c g c g g g c c g   g c a g c c a g a g   g c g g g g g c c c   600
c g g g c t c g g g   t c t g c g c g t g   g c c t g g c c c g   g t g g c g t t c g   g g g t g g a g c t   g g g c c a g c c g   660
a g t g c c c a g a g   a g c t a g t c c g   c c a c g c a c a c   c t g c c t c g g c   700

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<210> 1236

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1236

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tctaaacatt tagagattcc aggtttcagt gtctggccgt ctcttactgt cagtgatattg 660
gggcaaaaata ttcaagtagt tagacttaat tacttcccct 700

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<210> 1237

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1237

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caggtttcag tgtctggccg tctcttactg tcagtgattt ggggcaaaat attcaagtag 180
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agcatggcca caacgtttga tggacattcc tacagcgggt ttcagcgctg gccactgagg 600
tctgaaaata cttttgcaag catttctatt cacttgcttt tagaaaacat tggtaagaca 660
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<210> 1238

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1238

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gcatttctat tcaattgctt ttagaaaaa ttggaagac accatactcc aaacacagtt 180
tgccctgtct gtacgtttgt tgcaaagcaa acataaaagt ttttgccata gagcaaacac 240
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ttctgcataa aaactatgtt tgggaagatg aagatcagga aaagacagga agagatgtaa 660
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<210> 1239

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1239

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ttgggaagat	gaagatcagg	aaaagacagg	aagagatgta	agcagataag	ccaaatcctg	180
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gatgtttttc	atcttggcaa	cttcccaagg	tccaggtttg	gtccttgact	ttgtggggcc	300
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tagtggcagg	gtttgaatca	aggccatctg	accccaaac	ctgaagctta	tccattcctg	600
ttagaagcaa	gactgtcggg	aacactggac	tcgaggccac	ctgatgaaca	cattctcttc	660
ttgtagccat	gcagtttggg	gccccatagt	cagaagggtg			700

<210> 1240

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1240

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gaacactgga	ctcgaggcca	cctgatgaac	acattctctt	cttgtagcca	tgagtttgg	180
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cattactcag	taagggtctcg	cagcccttat	ttttctttat	ggagacattt	tgtatctttg	540
ctctgattgg	cttgatttat	aattttaact	ctaaaggaca	gctttctatc	ccaccttttg	600
gagacagctc	tgttttcctt	actatccttc	ctgatctaac	cctggaacaa	aagtttgtgc	660
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<210> 1241

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1241

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tactatcctt	cctgatctaa	ccctggaaca	aaagtttgtg	cagtagcaag	ttctgcaaca	180
agaactttat	ccaggcctgc	actgatagtc	agtaaagaca	caaaagaagc	aaaagtccaa	240
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gggcacagct	gatgatcacg	caaccacagc	gaagaatgat	ataaatggaa	tgaaagcatg	360
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gtggtctctg	ccctcgggaa	acacacttga	gtgaggtaat	aaagcaatca	aataattggg	600
caaatataga	atgccatcct	aaatactaca	agatgcgttt	gacgctataa	gagggaatgc	660
cagaggcaaa	actcctctaa	tgggccacct	gtactctggg			700

<210> 1242

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1242

ccctgcta	gctggggatt	cagtgatgag	caaaaataaa	tgtgggtctc	gccctcggga	60
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aaccatgtcc tctgtgggag ctagggtctg gtcttgtttt taaaatgctt gttccatgga 660
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<210> 1243
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<212> DNA
<213> Homo sapiens

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<400> 1243
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<210> 1244
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<212> DNA
<213> Homo sapiens

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<400> 1244
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ccaggagacc catatccatc tcatggtggt gtggaggctg acagtaggcg agtttacatg 600
ctttgttccc aagctgtcag gaagcccaga tactattagt ctgcttggtc taaaaagaga 660
aagaagtagg tgtgggcttc atgaaggatg ttttgctgag 700

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<210> 1245
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1245
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ctcatgggtg tgtggaggct gacagtaggc gagtttacat gctttgttcc caagctgtca 120
ggaagcccag atactattag tctgcttggt ctaaaaagag aaagaagtag gtgtgggctt 180

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catgaaggat	gttttgetga	gggctgtgtc	tctcattcaa	ggatgaatga	gtaaaagcat	240
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ataatatgat	aaggactaat	tatttgtaga	gtcaataatt	acattataat	ttacacgcat	420
gatctaattt	aatctttata	gaaacctgat	ataggtaagg	aattttacag	ttgaggaaac	480
agtctcagga	aagttaagtg	acttccccaa	agttatagag	ctagtaagtg	aagacatcta	540
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<210> 1246
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1246						
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tggggtaaac	cttgaacatg	aatagaattg	ggataatcag	agatgaagca	ggacaacgta	180
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<210> 1247
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1247						
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tttttaatta	ttgctttatg	cagttgtctt	ttaaaattat	gtaggaaaag	agagggttagg	420
aaaaaaatta	atactgccct	ttatatttac	ttaggtagct	acctctcccc	atgttcatta	480
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<210> 1248
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1248						
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<210> 1249

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1249

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<210> 1250

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1250

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<210> 1251

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1251

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agacagcgtg atgcctccag ctttgttctt tttgcttagg attgtcttgg ctatgcggggc 660
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<210> 1252

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1252

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<210> 1253

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1253

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<210> 1254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1254

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attgtgtcta tttgattatt ctctcttttt ttctttatta gtcttgctgg cagtctatca 600
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<210> 1255
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1255
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<210> 1256
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1256
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<210> 1257
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1257
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tgactcttta tccaatttgc cagtctgtgt tttgtaattg gggcatttag tccatttaca 180
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<210> 1258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1258

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<210> 1259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1259

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<210> 1260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1260

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cctgcgcaga	gaggaggaat	ctagagaggt	agtctggcta	cagcggcttt	gccagactgc	420
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tggcagcaag	aatttcaggc	cagtggatct	tagcttgtct	ggctccatgg	gggtgggata	600
cgctgagcaa	gaccacctgg	ctccctgggt	tcagccccct	ttccggggga	gtgaatgggt	660
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<210> 1261
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1261
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 gctccctggc ttcagccccc tttccggggg agtgaatggt tctgtctcac tgggtgtcca 180
 ggcatactg gggatgaaa aaaaactcct gcagctagct tgggtgtctac ccgaatggcc 240
 gccctgtttt gtgcttgaaa cccagggtct ggagatgtag gcaccaagg gaatctcctg 300
 gtctgcgggt tgcgaagact gtggcaaaag catagtatct gggccagagt gcaactgtttc 360
 tcatggcaca gtccctcatg gcttcccttg gctaggggag ggagttccct gtcccttgc 420
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<210> 1262
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1262
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 tggcatgggg ttggggggcaa ttctatgagg acatttagaa ttttcagaac tattttgctc 180
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 cacacttcct ctatgagaag tcttttgtga gacttattcc caggtaaaga gccagtcagg 360
 ggcttggtg ctgccctctg gctggcgcaa cagacagatg atgtcccagt gtctctggcg 420
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 ggggtgggtct gcctgagagc tccaaaacat gatttctgct gagaaacctg tgtctgtcat 540
 cagtgcattc tctgttaatc tcatgagatt ttattttcca aagtgtttt aaagcaatgg 600
 catagaacat aaggtgttgc cagtgcattg catcaagcct ctatcagcct aaaagccctt 660
 taggaaaaga attaaaagac aaacccccag aagaaagttc 700

<210> 1263
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1263
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 ccagtgcatt gcatcaagcc tctatcagcc taaaagccct ttaggaaaag aattaaaaga 180
 caaaccccca gaagaaagtt ctattgtgct atttactacc tggcagggaa tagggtcttg 240
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 actctgcccc tgtgtgtaca gtttgtgtat gcctctctcc tggagcagag gagatccttg 600
 gtctgataac acactcagtc ttcccaaagt catggctcta agggaaacaa gccacacacg 660
 aatccaacag gcttcgacag aggacttgga attccacatg 700

<210> 1264
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1264
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 cttcccaaag tcatggctct aagggaaca agccacacac gaatccaaca ggcttcgaca 180
 gaggacttgg aattccacat gcttggctca accctggaag tgacttgggc tcttgccctca 240
 ccacatgaag agctctaagc attcaggtaa ttatggtttt tgccctcaga aggccacaaa 300
 tgactggaat cagtggcatg gagaataaga gagaaaatgc agaaactatt cactcctgct 360
 acaggacaat gggtagacag aactgcaatt cagattctag agcccctggg aagacagtta 420
 atcagtagtc cagcacagaa ccatgtttga ggagagtggg gaagccaaca gtgttccaga 480
 agacgtgctg ccttccttct cccccaagtt tgatgctgct tgttttgtta tgcaacatgc 540
 ccttgagttt ctatccaaca ctggagcttt ttaccagggt ccatccacac cttctagccc 600
 aaaatgccct gtgcaaatg tatatagatt aagacacctc ttgtgcacca cactcaacct 660
 ccaatcctct cagcccacca cttactccag ccactgttgc 700

<210> 1265
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1265
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 cagtctctac tttcaagggg acccaagata catttgtgca agaaggctgg ctcagcccat 660
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<210> 1266
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1266
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 aacccaagat acatttgtgc aagaaggctg gctcagccca tagtcaatta ataaagtga 180
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 aggaacacac acaatgacac tgtttttggc acttagagaa gtgctagagg ctagggctgg 660
 taaggccttg caccagtggc agctgcagac aattgccaga 700

<210> 1267
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1267
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ctgttttttg cacttagaga agtgctagag gctagggctg gtaaggcctt gcaccagtgg 180
cagctgcaga caattgccag agtgattctg tgtttaaaaa aaaaaaaaaa aagacacaaa 240
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aaaggatata acaacaaaca aataaacagt aaaacaaac ccacattaca gctttgagag 360
aaaagacaac gttgctcatc tctctcacct gataaatttc ctttaaacca tacataagac 420
gctatagtag caaggagggt tccacagcag tggaaaacaa gaatagtaga ttcaatggag 480
catttattat gagcctggac aagcccagtg ctttgatcag atgtaaaca gtctactcag 540
tcgtcatgct gagtggctct aagagctcac acatcagtcg actttgctgg tgatctgcag 600
ctgctcattc tgtccatctc tcattacctt tcactttccc tagctctgag ctctcctgcc 660
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<210> 1268

<211> 700

<212> DNA

<213> Homo sapiens

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<400> 1268
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ttcattacct ttcactttcc ctactctctg gctctcctgc cctggggaag caatgatcca 180
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gtccatcatt gtaatagtta ggacttagat gaagtgtct gtaggtagcc ccagtgtccc 480
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gcaagtcaga cacagggtcaa gaggacaaac agcaaaggcc tttgtcactg aaggactcgg 600
agtctgcaca agctggccat ttctggcaag acagtctttc ctcttcagtt tctcccttac 660
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<210> 1269

<211> 700

<212> DNA

<213> Homo sapiens

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<400> 1269
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ctgtgctttt aaggattgtg ggcctttctt gaccatcttt taacatcctt gtgtgacttg 240
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tcctgcagca gattctgaaa ggtttcttct agcctctgag ttatccagtg cggctactgc 420
catggagatg tgtatagtga catgtccaca caggaacaga ccagagagga tgggctataa 480
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gtgcatcaac actgacagag gaggtcttct taccctttga ctcttagcat ctgggtcaatg 660
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<210> 1270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1270

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tattgtgagg ggctcctgag acctggccag acccagaccc agtgcacaa cactgacaga 120
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cgaagctctc tgggagaaac aaggtgagga tggctgtcag gatggtcaga cttcccatga 240
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aacctgaggt acttgccag ggatggaaat aactcttcca cctctgcaga tgtgtcccag 660
cccatgtgat ctgccttcag attaggcagg gtgcttttgc 700

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<210> 1271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1271

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gtacaaaggg gcggttgacg gagaagagct gggccatgct gattattcct atttctgggc 60
catgctgatt attcttattt accaagggtt gggtttccaag gaacctgagg tacttgtcca 120
gggatggaaa taactcttcc acctctgcag atgtgtccca gcccatgtga tctgccttca 180
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aaccacaggt gctatgaaga cataattctg agaagagaaa actggagacc tgctacataa 360
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taattttacg ttcacagac ctcttgcacg gacatcttcc cctcatgtt ctttttaaac 480
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accctctaatt attctcatca atttctaggt aatctatagg ttgttttcca tttgaaagt 660
agggccagtg cactgggaca agaacccttc ccggccaaag 700

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<210> 1272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1272

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tccaactaag cacactggct ccctaaacca ctctgtaggt tcttaggata aaggaattgt 60
agtctctgat ggaaggcctg ggatggctaa aacagaaaca aaccctctaa tattctcatc 120
aatctctagg taatctatag gttgttttcc atttgaaagt gagggccagt gcactgggac 180
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ccaaattttt tggggagtca gtttctatca cttcctattg tgggggaagg ggctatagcc 660
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<210> 1273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1273

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agccaaataa tacaagtctg gagaagcaaa ggaaagaggg taggagtagg taccaaccca 60
tggcatgcag ctattgagag caaaacaaac atactttctt cccaaatttt ttggggagtc 120
agtttctatc acttccattt gtgggggaag gggctatagc caagatttcc ctccaaattg 180

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attgctgaaa ggaggctggg acctgcagct ataaggacat gcactttcct caacctggag 240
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agtgttctca gcctgatggg cccaaaagtg accatcagag gctcccaaat ctacagggtac 660
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<210> 1274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1274

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taggggtgtac gttccatgag ggcctggggg tctgcctggc ttgttttctt gtgtatcggt 660
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<210> 1275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1275

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<210> 1276

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1276

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tccacatctt tcccaacctg tacaactttt acaatgcaat tatttcagta aattccaaac 360
catctttaag cagagactag taaggcagca gtaactgtaa ccctgcgtct tacttcatag 420
atcaaaagat aattttcccc agcccaagtg gtacagtgtgta aacctgcgc cagtgcgctc 480
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tcctcaaadc cagcaactgc agaaggagct agagaatgag tcaggaggca gacatcaagt 660
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<210> 1277

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1277

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cagtgtccca gcaaaaaagc ttgtataatt cagatagatt tacttcattg aaaagaaaaa 60
ttccaacctg cttttcagct ttaaaaatcc taagctgaac ctctcaaact ccagcaactg 120
cagaaggagc tagagaatga gtcaggaggc agacatcaag tgaggtgtga taggattttg 180
gggataagat acaaaaagga acaacattag gtcaaacact tggagagaga ccctcacaca 240
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ccctgcagta ccctgacct ggcatcccc agtaggcatt ctctctgttg atgaccaca 420
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gagagcctgg gtgaacacaa aagtgggtga ctcatcacag gcttgcattg ctgtggtgca 600
ggctacatgc tgctcctgtc ttgaggccaa ctgagggaat ggtgaactgc ctggagggat 660
cctgggccat tccttgaag cgggtgactc atagcactcc 700

```

<210> 1278

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1278

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agagtatgtg catgagtccc caggaaatcc agagcaggga ggagagcctg ggtgaacaca 60
aaagtgggtg actcatcaca ggcttgcatt tctgtggtgc aggctacatg ctgctcctgt 120
cttgaggcca actcaggga tggtagaact cctggaggga tcttgggcca ttccttggaa 180
gcggttgact catagcactc cctcagtagg cacagtggct gactgcctca aagctggatg 240
agactagtaa taaggactct gagatgaagt ccgcccctct cgcccatctt ctaccgcta 300
accaccagg ctccagaagt cgcctagaat ccagggttc ggccgctgag caaaagctag 360
cgatgtgcac ttggacatgt ttctctccc tggtaattca caaatccctt tctgacatac 420
tttgctcat tagtggaac ctggttaagga catctaggct atagccctga ctccaggacc 480
gtttatggac atcccaggag gagcacatcc cacttccaca ttccagaaa gtaactggca 540
gcctctgcag cctacaggac atggtgtctt cactcagatc cttcttaaaa gccctacctg 600
gcctcctcag ccactgtcgg taactgggta ggagacggga actaaatgac ccaaattggg 660
caaggattca tcttaagatc tggagagatt cccacagaga 700

```

<210> 1279

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1279

```

ggagcacatc ccacttccac atttccagaa agtaactggc agcctctgca gcctacagga 60
catggtgtct tcaactcagat cttctttaa agccctacct ggctctctca gccactgtcg 120
gtaactgggt aggagacggg aactaaatga cccaaattgg gcaaggattc atcttaagat 180
ctggagagat tccccacgag agtccatatt tcccacaaca gcctccacaa ttgttttcat 240
tctccttttc tgaggttcca tcccatatag aattgtgaca tgcccatttt ttccatctaa 300
cacaagacat atccttttca ctctctgatg acataggctt tgaattttgt ctgaggcatg 360
tctgtaaaca agaggcccaa tggccacttc aagaagcttt gtctggaagc ctcaggcagg 420

```

```

tctcttttac ataccacagc attatggaca tgatgggtgac catccggata ttccagggttc 480
gaagcagatc cagaatgttg tgggactgct gcttcttgga acttaggtct tgtaactgca 540
ggaacaacat cataagtgtg tgggaagaag aggtgggtcag agactcagag cacacaataa 600
catacttgaa tccctggcat cttagctgtc tgcattctcag cgtcggggag tgttacgttt 660
ctaagaacag taagtatact gactgtgttt taggctgtga 700

```

<210> 1280

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1280

```

gtgggactgc tgcttcttgg aacttaggtc ttgtaactgc aggaacaaca tcataagtgt 60
atgggaagaa gaggtggtca gagactcaga gcacacaata acatacttga atccctggca 120
tcttagctgt ctgcatctca gcgtcgggga gtgttacgtt tctaagaaca gtaagtatac 180
tgactgtgtt ttaggctgtg aaaacttccc taggccttgt cagtaacaaa tcagagttaa 240
tgaaaatgag gaaaagtaag tgaccagtcc ctcaagggtta caggaagaca gaggcccagg 300
ctgacagctt cctcactgca cccccacata ttctgtctgg tggccacatt ccaaggaggc 360
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agttactggt gtgcttccag ggaaaaagaa ttcaaataa aaaacaggaa aattgacctg 540
agcttcaccc agagtgactt cctatgaaat tcagcacagc caaggccatt aataaaccac 600
acgtctaaac aactgatgt tgctttctta agcaaaccga ggtttgagc ttgtttttcc 660
agagttagaa gttcaacaaa aggtcaactt tggactgaaa 700

```

<210> 1281

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1281

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gggaaaaaga attcaaatag aaaaacagga aaattgacct gagcttcacc cagagtgact 60
tcctatgaaa ttcagcacag ccaaggccat taataaacca cacgtctaaa cactctgatg 120
ttgctttctt aagcaaacc cagggttgag cttgtttttc cagagttaga agttcaacaa 180
aaggtcaact ttggactgaa agtatccctt gaaatagcct catttctca aagatgccag 240
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ttaaagccc tctgccacac tcttgctga cttttgcga caggaccctt ttctggtgca 360
tgctgacagt ggctgctggg ccaccactca ctgggaagtc tgcagggctg gcagtggcca 420
ttggcctccg ctgtctacaa taactgttcc ctcttttcca agcccaacca tgctgctc 480
tcacacttca gcagggtgc ttgtggtgtg tcccacaccc aaccctcat cttccagtca 540
gaccacagac acattccaga accccaccag gcagcattta cagcttctaa cctctcatag 600
tcacgagacc aaggaaaact gcctgctaca gagatggtag gagaggaac gggaaggaaa 660
agcaagaacc aggaactagg tagagccaag aaatgagtca 700

```

<210> 1282

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1282

```

cttgtggctg ttcccacacc caaccctca tcttccagtc agaccacaga cacattccag 60
aaccacacca ggcagcattt acagcttcta acctctcata gtcacgagac caaggaaaaa 120
tgctgtctac agagatggta ggagagggaa cgggaaggaa aagcaagaac caggaactag 180
gtagagccaa gaaatgagtc atggtgtgtg agaacagggc tgacgggagg ggtggggtag 240
ggggaagagg tggacatcaa aaaggacctg actccaagat gatatgcaat aattaaccat 300
tggagggcag aaagagacta aacacttttt ttttcttttt aatgaataat tgctaatact 360
caagagatga aatacttcta actccaaatc tatttgtgct ttacatttta cgtttggggg 420
tagctttgta aggtgacaag ccaccttagg tataagaaac aatgatattt ccaaagtctg 480
actttatgaa aggcctatta ctcaaaaaga gtatttattg ttagaagtaa tggttaaaaa 540

```

```

atatgattgc ctagaaagga agtaaaaaat gaaaatctga aacccgtggt gaaaagagtg 600
aggcagctgt aacctattcc tcaacttctg agtgттааааа gggcccgtgt gggggtgggg 660
agtgggggga tggggggaat gggcagttgg ggcttgggca 700

```

```

<210> 1283
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1283
actcaaaaag agtattttatt gttagaagta atggttaaaa tatatgattg cctagaaagg 60
aagtaaaaaa tgaaaatctg aaacccgtgg tgaaaagagt gaggcagctg taacctattc 120
ctcaacttct gagtgттаааа agggcccgtg tgggggtggg gagtgggggg atggggggaa 180
tgggcagttg gggcttgggc agagagaggg ctgggctgct gtgagcaggg aggacttcag 240
ggctgggtgc tgcctgctctc aaatcacggg cagtctgtcc ctctcaccca caccacatg 300
gtgcttacct cactcgggtc aaagatagtg gaaggcaca caatccatt ggctttggca 360
gccttgcgga tgatcacctc tgccctctca aatcgccct gagagatgag ccatcggggg 420
gactcagggg tgaacctggc agtacaagg ccaatctcag tgaggcctcc ctgccaacag 480
cagaccaca gaccaggtag agcacagcca taggtgggaa taaggttgca gaaccagagc 540
ttgtggaatg tttggtgatc acaagccaga agcaaagagc tgatccacac gcagcaataa 600
cctgggggtg atgagcttat gtgtaccca caccgcaca aaatgggaga gccctgcacc 660
ccctgacggc atccccatgc tggctggcca cctccatttc 700

```

```

<210> 1284
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1284
gagcacagcc atagggtggga ataaggttgc agaaccagag cttgtggaat gtttgggtgat 60
cacaagccag aagcaaagag ctgatccaca cgcagcaata acctgggggtg gatgagctta 120
tgtgtacccc acaccgcaca aaaatgggag agccctgcac cccctgacgg catccccatg 180
ctggctggcc acctccattt ctgaagagca gtgttgccat ctgctgggct gaggagatgg 240
gtgcaagatg ggctccggaa gcctggcttc tgtgcatgtc tatgtcagcc caggccctgc 300
tacactctcc tccctgtccc cggcaccaac agaagcttct gcaactggcct tttagcttct 360
cttctctcct caccctaccc ctgatttata caacagatta gtcagatact ctacctaaaa 420
tagcatgttt gggcaggtgc agtggttcac tccataatc ccagcacttt aggaggccaa 480
ggccgggtgga tcat ttgagg ctaggagttc cagaccagcc tggccaacgc agtgaaaccc 540
gtctctccaa agaaatacaa aaaaaattag ccaagtgcgg tggcaggcac ctgtagtccc 600
agctactcgg gaggtcgaga catgagaatc gcttgaactg gggaggcgga ggttgcagta 660
agtggaaatc acgccactgc actacagcct gggcaacaga 700

```

```

<210> 1285
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1285
gctaggagtt ccagaccagc ctggccaacg cagtgaacc cgtctctcca aagaaataca 60
aaaaaatta gccagtgcg gtggcaggca cctgtagtcc cagctactcg ggaggctgag 120
acatgagaat cgcttgaact ggggaggcgg aggttgagct aagtggaaat cagccactg 180
cactacagcc tgggcaacag agactttgtc tgagaaaaaa aaaagaaaaa aaaagaaaaa 240
gaaaagaaaa aaaggaaaaa aattagcatg tttatcaagg cacttgagtg ctctatggat 300
attattttcc accttgctgg gaccaggtag ccgcccccca ccctcggtca tgactgggcc 360
ccatgatgtg cggttactc tcccactatg ccctgaaatg ctctctgctc cacttgggct 420
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ccctcttggt tctggaatgg cctcttctct gcctgttcaa ctctctacc ttggtgggtg 540
agaaggagcc tggcttctc catgtggcta ccctgaggac tcttgctttt ggtgccagt 600
cctgtggcat gaggttcag cagcacacag ccagaactag ggcctacact gtctgcct 660

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gaggcttggg aacttcctac agggcatgct ggaccccatc

700

<210> 1286

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1286

```

gcctcttctc tgcctgttca actcctctac cttgggtggtg cagaaggagc ctggcttctc 60
ccatgtggct accctgagga ctcttgcttt tgggtgccagt gcctgtggca tgaggcttca 120
gcagcacaca gccagaacta gggcctacac tgtcctgccc tgaggcttgg gaacttccta 180
cagggcatgc tggaccccat cttctcacag ctactgctat ttttccccc acttggggca 240
accagcacaca gggctgagag caagtctggt gctgtcatgg gattctgttt tgttttggct 300
cttttgagtg tggagaaaac attctgaaat aatttataat ctatgcttcc tgtctctggg 360
agacaaaata gggattcatg ggttggtgct gccctctagt gaaggccaga cagaaatcat 420
cctgccagtg ggcacatggg gcacagggtc acactcacca ccagagtgcc acgcacagca 480
cccccgcat cgtcagcgcc accagcagca tccgccagtc tccgatgaag taagcaaaca 540
gtggcagcac catgtagcca aatgcataaa atatgcacac tcctaacgta gagaatatta 600
tacgaactga cttgccaaaga atttctgtcc ctgttcaaaa caaggagggt cgagtttagca 660
gtttaatttg ggttccttcc ttattaattt tttatggtat 700

```

<210> 1287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1287

```

caccagcagc atccgccagt ctcggatgaa gtaagcaaac agtggcagca ccatgtagcc 60
aatgcataa aatatgcaca ctctaactg agagaatatt atacgaactg acttgccaag 120
aattttctgtc cctgttcaaa acaaggagg tgcagttagc agtttaattt gggttccttc 180
cttattaatt ttttatggta tctttgtgaa tacacagaca agaaaacagc gagaactctc 240
tctaagttca tggcgctagg gagcggatgg cgttctgaac ccctcctgtc tgactgtctc 300
ctgggggtac atccctgtgg cctctcaggc cccaagcaa cagttctctc ttgaaaattt 360
cgccatgttc tgaagccatg tgctaaagat gccatggtag gcccccttta atcctcacat 420
gaggaagaat ttattaaaag tgaagtcatt actaagtcag cacatgctga ctttaagcctc 480
aaggaaagaa tattaaatat aaaaagaaaa aacaaccctt tcaacaatac aaccaagga 540
actcaaaggc cttatcagct agagtcaggt tctccaaac acaggccggc ctggcagctt 600
ctcagtgaca acaggctggc acatttgaga caaagccctg cagtgtgcac tctgaattaa 660
aaccctgaag gtgacgaaag ccccttcta tcaatttatt 700

```

<210> 1288

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1288

```

taaaaagaaa aaacaaccct ttcaacaata caaccaagg aactcaaagg ctttatcagc 60
tagagtcagg ttcttccaaa cacaggccgg cctggcagct tctcagtgac aacaggctgg 120
cacatttgag acaaagccct gcagtgtgca ctctgaatta aaaccctgaa ggtgacgaaa 180
gccccttctc atcaatttat tcttgctcgt agatatcacc agccacagtg ctctgcagac 240
aaggggttct ctaccttagc aagcttgcca gtcacagccc ctctcctcc aaccatgccg 300
ccctctttct gggctggct cagccctgtg cagtggcagg ccctttttgt aaatggagga 360
tctctggtga gtcctagtaa attgactacc aagtactaag accaaggagc cacagcccag 420
aggccagaaa agaactggaa atcagaagtc aggccattgt gctgctgggg accccaggct 480
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agttttgtta gaaaccctgt ccccttgag ggacatcaca gctgtctcca gaaaggtagg 600
tgatgggatg atggtgaaat acaggatcaa gtactcaact ccaacctgat ggccataccc 660
aggacaaatg ctgccacata gttggagatc tggcccatgc 700

```

<210> 1289
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1289
 tttccctgcc tgtaagtaag gttcaccagg aagctctggc tagttttggt agaaaccctg 60
 tcccccttga gggacatcac agctgtctcc agaaaggtag gtgatgggat gatggtgaaa 120
 tacaggatca agtactcaac tccaacctga tggccatacc caggacaaat gctgccacat 180
 agttggagat ctggcccatg cctacaagga caaacagcac gacaaacatc tcaaaattct 240
 tcgagaagat ctgcaggaag ctgaagcctg tctgcatgcc catggtcacg aacagcacat 300
 tcttccggcc aaacctggga agaaaaggag agtgacagat aaccagctgg aaaagggcag 360
 caggaatggg ctccaccaag tggggctttc tcaagatcca tccagtaagt ggggtgtgaac 420
 agtggttgcca gaatactggc tgccagggac agtctcggtc tcacagtgcc catgctattt 480
 ctccccctcc ccactcccca tgacaaatgt acagcctggg taccaggggt gcctaaaaag 540
 caatgctaca attatgataa tgattgcaag agactgaaat acatcaatta tttaatccat 600
 acattcataa tgatattttt tttaaaaaag aatctgccaa atttggagaa taacagagaa 660
 acaattcatt ataaatgaaa actggcaaat aaagagaaag 700

<210> 1290
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1290
 atgacaaatg tacagcctgg gtaccagggt tgcctaaaaa gcaatgctac aattatgata 60
 atgattgcaa gagactgaaa tacatcaatt atttaattcca tacattcata atgatatttt 120
 ttttaaaaaa gaatctgcca aatttggaga ataacagaga aacaattcat tataaatgaa 180
 aactggcaaa taaagagaaa gaagcatttg tcttgatttt cctttgtaaa ctatgtgaac 240
 agcaaccaat aatagataag aggtagtatc atgtacaaaa gtatttctaac ttttaaatga 300
 aaaggtaata aaattagaat aataccattt atagccccc aatggattaat agatctatgc 360
 attatatact aattactggt aacatcataa agagacagtc aggaattgca tgcttcctat 420
 ggtcttgcca aaaggactga acctgaatca gaacctgaat ctcaagtctc tggatccaac 480
 tgccaatttt gaggaaatgc agagcataga ggaatgtgct gaactgcac atcagtgtgc 540
 aatcaacaaa tccagactgg gaaattctat aggtggaata gctcaggttc ttcatagata 600
 atcagtaagg catagaaggc gatagaagga gaatccatag attaagtaga ctaaaagaca 660
 tcaaatatat taagtgggca acactaaatt tgtgtcaagg 700

<210> 1291
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1291
 cagagcatag aggaatgtgc tgaactgcat catcagtgtg caatcaacaa atccagactg 60
 ggaaattcta taggtggaat agctcagggt cttcatagat aatcagtaag gcatagaagg 120
 cgatagaagg agaattcata gattaagtag actaaaagac atcaaataa ttaagtgggc 180
 aacactaaat ttgtgtcaag gatgcatatt tcgataataa aactaaaaaa actcacaagg 240
 aagtgattat tacaggagtc aggctagcgg ttacttaatg gggagagaga gaggatgctg 300
 taattgggat ggggcacatg gacagggctt cttagtggac agcaaagttc tactgctcga 360
 cttggtggtg gtcataagggt tatttctctg aaaaaaatc attaaagctac acatttgttc 420
 tgtgtggttt tctgtatccg tgctcatttt aaaaagtttt taaaattggg tttattttgg 480
 tttgttttaa agagatgcc acaaacagga ggaaaaagtc aagctagtgg gaagcagtgg 540
 gttcagtttg agtctggcca gtactggctg acacccactt tcattcaatg tttattgagc 600
 atctattata gagggcactt ggatatcaat aaattaaaaa agatgctggt tctgccctta 660
 aggagtgtca tagtataact ggtgaaacac atattaacca 700

<210> 1292
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1292

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cacaaacagg agggaaaaagt caagctagtg ggaagcagtg gggttcagttt gagtctggcc 60
agtactggct gacacccact ttcattcaat gtttattgag catctattat agagggcact 120
tggatatcaa taaattaaaa aagatgctgt ttctgccctt aaggagtgtc atagtataac 180
tggtgaaaca catattaacc acattttaat ctaacaacac gctactgaat atacaattac 240
acactgagtc aagtgcactg aaggatcggc atgcaggtta atgagaggca caaggaagga 300
agctaccctg gactgggggt aagggttggg gaactggaca ttcagggagg gtctccttga 360
tcatgggaca ctgagatggg aaaaaatagt tgacgatggg ggatttaagg tgtagggacc 420
aagctctcaa tgatattcac agtatagtgg ggaagaccaa cattaatcct ataataacac 480
tttttttccc ccaatttctg gtagacgttt taaaggaaag tcataaggaa ctagggatcc 540
tgaattagcc agcatgggta aagaaggcca caggggggtg gttgggggtg gtggggaatg 600
cttcagactc tgagaagacc acacaccccc atggctggag ggggcatggt gaacatgagg 660
aaccagtgtg gttggcatca ggcgtgcaat tcaagagtac 700

```

<210> 1293

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1293

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ggtagacgtt ttaaaggaaa gtcataagga actagggatc ctgaattagc cagcatgggtt 60
aaagaaggcc acaggggggtg gggtgggggtg ggtggggaat gcttcagact ctgagaagac 120
cacacacccc catggctgga gggggcatgg tgaacatgag gaaccagtgt gggtggcatc 180
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gggtcgaggt tgagaaactc tcgcctggta gtagactcta ctttcccttg catggttttt 480
ttaacaagca tgttctatat gccaaaccaag ggggtggttcc taaccacaag gcaggctggt 540
ataatctcta tgccctttcc cttcctaaga gctccctggg atggtaggga agagacagat 600
ccagagaacc ctttacatag caccagtcct tggcagttca ggggtggggc cagaaatggt 660
tgctttttaa gtctgtcaac aaaatggcaa acacacacat 700

```

<210> 1294

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1294

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tgccaaccaa ggggtggttc ctaaccacaa ggcaggtcgg tataatctct atgccctttc 60
ccttcctaag agctccctgg gatggtaggg aagagacaga tccagagaac cctttacata 120
gcaccagtcc ttggcagttc aggggtgggg ccagaaatgt ttgcttttaa agtctgtcaa 180
caaaatggca aacacacaca tacctggaaa caggacacag cagtctactt cttcctagag 240
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ttgacaaccc aggagtactt taattgctct tgaatttcag acatattcat aggccagaaa 360
gaagggtgaaa cttttatact atataaaaag ttacattgat gtcctagaca agttagggca 420
tgaattgatt gctttcaggt aatctactta gcttaggttt tagaactggg ttactcagaa 480
gtaatgcact cagaagctgt ccacccaca gggccctggg ccttccaagg gggcacagac 540
aggcttgagg cagggcattg ggaattgaag gcaggggctg caggcagaac agccatactt 600
ttagccactt aggggtgtatt tcatttacta gacttaaatt atcctacttt aatgaaagtt 660
ctgtggccaa aatgttttaga aaggtttgaa aaacactata 700

```

<210> 1295

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1295

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tccatcccac agggccctgg gccttccaag ggggcacaga caggcttgag gcagggcatt 60
gggaattgaa ggcaggggct gcaggcagaa cagccatact ttagccact taggggtgat 120
ttcatttact agacttaaat tatectactt taatgaaagt tctgtggcca aaatgtttag 180
aaaggtttga aaaacactat attagccctt ctgtagacta aagtggctct aaacacactc 240
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ttcttctgag ccgcagctgt cacttagctc cgtgagaagg aatctcccat gtccactcag 480
gtggcctcta agcatagcac aatcctcccc cagttccccc ctccccctcc cactccccct 540
tccccaggca acctcatccc tatctggggc tctgctgagg gttctatatg ctgacaaatc 600
ctacatgtgt ttctctagcc aaaacctctc atgcagtacc atatccatac agccagcttc 660
acactctact tctccactta ggggtctcat agtcacccca 700

```

<210> 1296

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1296

```

caatcctccc ccagttcccc cctccccctc ccactcccc ctccccaggc aacctcatcc 60
ctatctgggg ctctgctgag ggttctatat gctgacaaat cctacatgtg tttctctagc 120
caaaacctct catgcagtac catatccata cagccagctt cacactctac ttctccactt 180
aggggtctca tagtcacccc aaatttagta cacacaaatt gaactcaata tccatgaacg 240
tggttctttt ccagcattct ctgtcttaga gaagtgtacc ttcattcacc cagtactca 300
ggccagaaaag ctttcttccc ccaattccga catccagccc atcggcaagt cttgttgatt 360
ttacctctta ccacttccct ccatttctac caccgtcatg ctaggccatg ccaccatcat 420
ctctggcatg aactactgtg acaacctttt aattggctc tctacaacac ctttgcttc 480
ccttcaattc tttcttcaca aggttgtaa agcatcttta aaaaaaaaaa aaggacaaat 540
ctgattgtca cactattgct ttaaaaaatc tcagtagccc accgctgctc tgtggctgaa 600
gcccaaagtc ctaactgtga tccactaagc cctgggtgct catctgccc gggctctgcc 660
tgctctcccc cttcatctta acaccactct ccgcacctct 700

```

<210> 1297

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1297

```

aagggtgtca aagcatcttt aaaaaaaaaa aaaggacaaa tctgattgtc aactatttgc 60
tttaaaaaat ctacagtagcc caccgctgct ctgtggctga agcccaaagt cctaactgtg 120
atccactaag ccctggttgc tcactctgcc agggctctgc ctgectctcc cttcatctt 180
aacaccactc tccgcacctc taccacacgg actttgtcct gctcccatgc cttttcatga 240
gccccggctt tagcatttgc tattctccct gcctggatgt tctttctcct ctctaccct 300
cagctggcta ctttcgactc atcttccccc tctcgtcat gcttcacctt ctcagggatg 360
ctgcccctga cctcctctgt tagacactcc tgtggcacc tgcacttctc tgtatctctt 420
accatggcca aggacaacaa cgacttcttc acttggttgt ttaatacatt ccaccttgct 480
agaaagcaag ttttaggaca gcaggacact agaacagtag tccatacaca atagaggagc 540
aagactacct gggtcacaaat cctaactctg ccacttgcca gctgtgaaac cttggggaag 600
ttatttaatc cctctgtctc actttctcca tctgtaaagt aggaataata aacagggtta 660
cctgcttttt aaaaaaaaaa ctggctgggc aggtgcagtg 700

```

<210> 1298

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1298

```

agcagggacc tagaacagta gtccatacac aatagaggag caagactacc tgggtccaaa 60

```



```

tcctaactct gccacttgcc agctgtgaaa ccttggggaa gttattttaat ccctctgtct 120
cactttctcc atctgtaaag taggaataat aaacagggtta acctgctttt taaaaaaaaa 180
tctggctggg caggtgcagt ggctcgcgcc tgtaatccca gcactttggg aggccgaggt 240
gggtggatca cctgaggctg ggagtttgag accagcctga ccaacatgga gaaaccttgt 300
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caggaggctg agacaggaga atctcttgaa cctgggaggc agaggttgca gtgagccgag 420
atcgtgccat tgcactccag cctgggtaac aagagtgaac ctctttttcc aaaaaaaaaa 480
aacaacaata aaaaatatct ggctgcgcac ggtgtctcac gcctgtaatc ccagcacttt 540
gggagggttat ggagggagga ttgcttgagg ccaggaatta aaaaccaggg aagatgctgg 600
gactcctttc caccggctaa cccaccgatt tgtggggtgt tctcacatgt gccatgtggc 660
caaggacttg ctgaaggctg ctactctctt cacagtcttc 700

```

<210> 1299

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1299

```

tggctgcgca tgggtgtctca cgctgtaat cccagcactt tgggagggtta tggagggagg 60
attgcttgag gccaggaatt aaaaaccagg gaagatgctg ggactccttt ccaccggcta 120
accacccgat ttgtggggtg ttctcacatg tgccatgtgg ccaaggactt gctgaaggct 180
gctactctct tcacagtctt ctctgacaga ccctgaagct ccagggaag aagacacaac 240
ataatggacc cctctaagaa cttcatgaaa gctacggacc tctctccaaa aaaatgctca 300
catgtagtct ctaacattgt gcatataatt tggaggggtt tgggattctc taagccgtta 360
atgtttcctt gagttaaagg ctttagaatt atacaaataa cctgcttata agaaatggat 420
caaaacacta ttctccctcc tgtcataaag taaatgccaa aaccacaggc cacttagcta 480
aggggcatca gccttggtgga caaaagagtt ctgcttttca taccactagt ggctggtgag 540
agtccttttc actttgcaga gagaatgctg gtcttcttgg gactacagag gcagacaccg 600
tggcactact acagatctac aatctagcac atgtgcatgt gtgcatgatg tcaacctctc 660
ccatgctcag gggcatgaca gagtccaggt gaccaggagg 700

```

<210> 1300

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1300

```

acaaaagagt tctgcttttc ataccactag tggctgggtga gagctccttt cactttgcag 60
agagaatgct ggtcttcttg ggactacaga ggcagacacc gtggcactac tacagatcta 120
caatctagca catgtgcatg tgtgcatgat gtcaacctct cccatgctca ggggcatgac 180
agagtacag tgaccagggt gaggcaagcc aggtactgct agaagtgaat catggcatat 240
tacctagtca accggatcac agatacatc agcttagaca gctcagggtt ctttacttag 300
caagaattac ggagtcagat gatttgttgg ctcttcttac taggcatgga gtctatatca 360
cagacatagc ttctcttctt ttaaaataca gggccctgcy ctgaaagaat actaccaact 420
gaaatcaagg gccaggcaca cgcttcttcc tcagtgtgga ggtccctgg tgctccagaa 480
gacagacacc ttacctgtct gacagctgcc ctgaaatgaa ggagcccaac agcacacca 540
cgaagaacaa ggagattgtg agtggggcct tccagtcgtc ctcacacacc aggttccact 600
gcaagatgag caaagggggg gtatcattca cttcttttta aaagggttta aagcaaaggc 660
atcctggaaa atgaagtcag aacatcctgc catccccaca 700

```

<210> 1301

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1301

```

tgacagctgc cctgaaatga aggagcccaa cagcacaccc acgaagaaca aggagattgt 60
gagtggggcc ttccagtcgt cctcacacac caggttccac tgcaagatga gcaaaggggg 120
tgtatcattc acttcttttt aaaaggtttt aaagcaaagg catcctggaa aatgaagtca 180

```

```

gaacatcctg ccatcccccac acgctctgag tgtgaactca cttagtcagg tgatggctca 240
cctgggcagg aaggcagaga gcaggcttct ttcccatcct gtttttcata gcattgtagg 300
ccccactgtc ttgcttccat ttgaggagg agagacaggc agagagtaag tgttctgtcc 360
acatgctgac cctggagaaa gcaaggcctc taacgcttgc tcctaaaaat ctgagcggag 420
cccagggtcg tggaagaggc agggcacctc cgctcagtgg gggttcaggcc attggcatga 480
acgtcactgg agtggttctg gaagcagggc tctggggctc tacggggcaa agcatccagc 540
aagaaactaa ggccagggca cagagtgcac catctggacc tgctctgctc aggttccac 600
cctggggcaa tgacccccgg gtcctttttg tgacctttag agctggaatc cctgatgctg 660
cacaccaact atactaggct caattacagc tgaaagccct 700

```

<210> 1302

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1302

```

ggaagcaggg ctctgggggt ctacggggcca aagcatccag caagaaacta aggccagggc 60
acagagtgca ccatctggac ctgctctgct caggttccca ccctgggcca atgacccccg 120
ggtccttttt gtgaccttta gagctggaat cctgatgct gcacaccaac tatactaggc 180
tcaattacag ctgaaagccc tgagcttgga ggtaaagaaac tgggttttag cteccactct 240
actattaact cttccaacct cagataagca tcaccccatg ctgtgccttg atttcccat 300
ttgtaaaaca gggattgggg taaggaatag gctgcaccgc ttgagtttcc agcttccaat 360
gtgtgggttc atctatagtt accatgaaca gaaaaagagg tctgaagaca tggggaagca 420
gccagacgct tggatctggc tacgcctgcc taacaagag ccaaaagcag gaagaaagcc 480
caaacgggaa acttagtggt tcacagaaaa atgaaaaatg tttttcagac agagagatgg 540
tgctcagtag taacctttgc agacttctca catgagcaac caccctccta ggaactcaga 600
cccttgctc cctggtgcc ggtgctagc ctgcctcca cggagcctgc tggctcctca 660
ccaacaacgc aggcaagggg acatgcggct ccctagaaca 700

```

<210> 1303

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1303

```

ttcacagaaa aatgaaaaat gtttttcaga cagagagatg gtgctcagta gtaacctttg 60
cagacttctc acatgagcaa ccacctcct aggaactcag acccttgctt ccctggtgcc 120
aggctgctag cctgccctcc acggagcctg ctggctcctc accaacaacg caggcaaggg 180
gacatgcggc tcctagaac aaagcatctc ttccaagcca gtgacaggga aaaacaagcc 240
tgcttctccg cactgctggg cagtgtgggc gcacagcctc cgggcacctc tcagaggggt 300
tggcaggcaa ccctcaggct ggacacggag aactcccga gcaggcacac tgctggtgct 360
cgcttttga ataagcgtga acctggatgg gctgggagta ggggtggcaat ccccaaccca 420
gggaagaact ggagcatcca acccctaate aggaggcagc ccagactagc aggagtcaag 480
aacatgggag gaccacagcc tgactgccc ggctgccaca gcctccaacc tccacagcct 540
cagaagggcc agcaccacaca ggcatctct ctggtagggt ggtaagtatc cctgcagtgg 600
ccccaccca cacatggctg ctaaattctag gactgggagt ggaggcggag aaaaagctga 660
gggaattgat gacaggggtg cggcctctgt gtgtgaggcc 700

```

<210> 1304

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1304

```

ctgactgccc aggtgccac agcctccaac ctccacagcc tcagaagggc cagcaccac 60
aggccatctc tctggtagggt gggttaagtat ccctgcagtg gccccaccc acacatggct 120
gctaaatcta ggactgggag tggaggcggg gaaaaagctg aggggaattga tgacaggggtg 180
cgggcctctg tgtgtgaggc caagcttcag gggccaggac ctggctcctg ccactcttga 240
gtatgatggg ctctatttcc cagctagcat gtcttttata gtggaaaaga tgaaaacatg 300

```

```

aacaaaggggt cagcagcgggt ttctcacagg actatcatga ggtgaggggtt ggggacccat 360
atggctgagc tagactagca atccacgtgg gcttctgcag tgagttctgg gggtttagac 420
cccaggacag gtctcccaat atcaggcttc taaagactcc ttggctggca aggttgggtg 480
tgacctaaaa ccaggtcaga caatctctgc aggggacagg gtgactatag tgctcatttt 540
gagacaggcc ccagagcatc tctcaggctc ccttagcccc accctctcta cttgggtccag 600
cctgtcctta gtctaggcag gtgtgtaact ccttgggttaa ctctgccatc caccaccac 660
tgaccgcctt tgacaactct ctgggcctgg ctttgggccc 700

```

<210> 1305

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1305

```

acaatctctg caggggacag ggtgactata gtgtcattt tgagacaggc cccagagcat 60
ctctcaggct cccttagccc caccctctct acttgggtcca gcctgtcctt agtctaggca 120
ggtgtgtaac tccttgggta actctgccat ccaccacca ctgaccgccc ttgacaactc 180
tctgggcctg gctttgggcc ctccaaaagc aaatatgcat taacacttct ttcctattgg 240
ccgagggggg tctgtgagca ggatcaggaa aggtgctagg tctcaaaact gaacacaagg 300
gcaaacatag attgggtccc agcctgccaa tccgtccaca tatctgtcaa ccaccagatg 360
gactgcagta ggttccagga cttggccaga atctccctga gaagaggtgg atgagaagca 420
catagagtcc aggctaagta cccctactt aaattgttta caaaggagtc tagcattcct 480
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cctggcacat gggatgggct atactggctg atgatcacag gtatcaatgt taaaatggaa 600
tgtgtgggtt taagattttg gtcacgagtc taatgctgtc acccttcagc tggctgagct 660
gtgaatgcag gcccaacctg aaaacaatct gggagcaact 700

```

<210> 1306

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1306

```

tgtgattaaa gctgctacag accagcttat tgatgcctcc gcctggcaca tgggatgggc 60
tatactggct gatgatcaca ggtatcaatg ttaaaatgga atgtgtgggt ttaagatttg 120
ggtcacgagt ctaatgctgt cacccttcag ctggctgagc tgtgaatgca ggcccaacct 180
gaaaacaatc tgggagcaac tctggcaaa ggcctagact tgcccctctt cctggggaga 240
aatgcacctt tctagtgggt atggtttcaa ggggtgtagag atacatgtgt gccaaattgc 300
atgcttttagc tacatgcagt ttttatgtca tttacacctt aataaagcta ttaaacattt 360
ttaaaaagag ggagaattgt gtctcctata cctcatatc aattggcact gctttttcag 420
ttatgagaag tagagagatg acatagttcc ctgggactaa atgttcttac ctgtgaattg 480
gcaggaaggg aaaaaagata ggggtgtgtg ccctaagaca gaagtcttc cctgagggga 540
tgtacctagc ctgaccgtat caacagtcag acatgctgct aggtaccaca tggtactgat 600
tgccatgtat tcctatattc ctacacacat tttatcctgc ctctgctga aatcaatgat 660
gaatccttgc cccaccgttg tcagagcaaa gagaaaagg 700

```

<210> 1307

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1307

```

agggtgtgtg cccctaagac agaagttctt ccctgagggg atgtacctag cctgaccgta 60
tcaacagtca gacatgctgc taggtaccac atgttactga ttgccatgta ttcctatatt 120
cctacacaca ttttatcctg cctcctgctg aaatcaatga tgaatccttg ccccaccgtt 180
gtcagagcaa agagaaaagg tatctcctat ctttgctatc acatcctcta caactcctgg 240
cagtgcctcc tgtatcgaag agaggctcag gagctctttg gtacataggt gagtgaatga 300
atcgataaat aaaaaggat caaccttcaa catcttggtg tacttttagt cttgcttggc 360
tgcccaaagt cgagatgaac cctgaactcc tgaacttcaa tctccagaat actctttttt 420

```

```

ttcttttgaa acagagtctt gctctgtctc ccaggctgga gtgcagtggc acaatctcgg 480
ctcactgcaa cctccacctc ccgggttcaa gtgattctca tgctcagcc tcctgagtgg 540
ctgggactac agggatgcac caccagcctg gctaattttt gtatttttag tagagacggg 600
gttttgccat gttgaccagg ctggctctga actctgacct caggttatct gcccaccttg 660
gcctcccaaa gccctgggat tacaggcaag agccaccaca              700

```

```

<210> 1308
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1308
ccccgggttca agtgattctc atgcctcagc ctctgagtg gctgggacta cagggatgca 60
ccaccagcct ggctaatttt tgtattttta gtagagacgg ggttttgcca tgttgaccag 120
gctggctcttg aactctgacc tcaggttatc tgcccacctt ggctccctga cccctgctt 240
ttacaggcaa gagccaccac acctggccat tttttttttt ggctccctga cccctgctt 240
tgtgtcaact gtcagaaaatt tgacccagga tgacagggtg cagctagcta gagagtggct 300
caatctgacc actcatggcc agatgtgtct actatgtacg tgcatagtgg gccacgggac 360
cccgaagtg gcttctctgc cttgccatat agctgcaaaa ggctggatga gggctctgtg 420
gtcccctgag tgagagaaat caacaaaggc gtaacagtga ggttcaagtt ccaggctctc 480
cggttctctg ctgcccagag tcagccccgg tccagctcc caggttgctc tggcttttcc 540
tccaggcagc tttggggata acagtgaggg ctctctcatc ttctaagact atctgtctct 600
acacaagata aggctgatag aaaagctagt ccaggacaat ggggagggag tgggagtccc 660
accaggact gggccgaggg cttcttagaa gcagacaggt              700

```

```

<210> 1309
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1309
gtcagccccg gtcccagctc ccaggttgct ctggcttttc ctccaggcag ctttggggat 60
aacagtgagg gctctctcat cttctaagac tatctgtctc tacacaagat aaggctgata 120
gaaaagctag tccaggacaa tggggaggga gtgggagtc caccaggac tgggccgagg 180
gcttcttaga agcagacagg tggagagcaa ggcatgcag agcagcttg aagtttcttt 240
tcttttctt tttttttttt tgagacggag tcttgctctt gtcacccagg ctggcatgca 300
atggtgcgat cttggctact gcaaccccc cttcccaggt tcaagaaatt ctctgcctc 360
agctccctc ccgagtagct gggattacag gcacccgcca ccacgcagg ctaatttttg 420
tatttttagc ggagacgagg tttcaccatg ttggccaggc tggctctgaa ctctgcctt 480
gtgatccacc tgctcagcc tcccaaagt ctgggtttac aggcagtagc caccacaccc 540
agccggaagt ttctcaagga acctgtctgt ccataggctg gacagagcta tggtgaaacc 600
aaagagcgga cagcccagac aacctcagaa acaacccagg tttccagcag atggggcagt 660
ccatggccaa gaagcactgc atgatgggtt ggctaatttc              700

```

```

<210> 1310
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1310
ctcccaaagt gctgggttta caggcatgag ccaccacacc cagccggaag tttctcaagg 60
aacctgtctg tccataggct ggacagagct atggtgaaac caaagagcgg acagcccaga 120
caacctcaga aacaacccag gtttccagca gatggggcag tccatggcca agaagcactg 180
catgatgggt tggctaattc cccagtaccc cagggatgac tgaggggcca gaggagaggc 240
cagccgagaa ccatgtggac caccaaacta ttcctggaac atgggggcat aaaactcttt 300
tacctcataa atcattttta ttattaata ttattattat tcttttgaga tggagtctcg 360
ctttgtcgcc caggctagag tgcagaggct cgatctcggt tcaactgcaaa gcccgctcc 420
tgggttcaag cgattctcct gcttcagtct cccaagtagc tgggaataca ggcagtgtgc 480
accacacca gctaattttt gtatttttag tagagatgga gtttcaccat gttggccaga 540

```

```

ctgggtcttga actcccgacc tcaagtgacc tgctgccttg gcttcccaaa gtgctgggat 600
tacaggcggtg agccaccacg ccctgccaat atttatttat ttattaattg cttagcagatt 660
ccctctgcca atcccaacac ctcatctcac atccatgttg 700

```

```

<210> 1311
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1311
tgtattttta gtagagatgg agtttcacca tgttggccag actgggtcttg aactcccgac 60
ctcaagtgac ctgctgcctt ggcttcccaa agtgctggga ttacaggcgt gagccaccac 120
gccctgccaa tattttattta tttattaatt gctagcagat tccctctgcc aatcccaaca 180
cctcattcca catccatgtg gcatcaaaag cccagtcagt gggcaggggg agtcacattt 240
cctttaaaaa attccagtca atccttttca gccaccctca agtttccctt ctaagaactg 300
aactattttt ctttagttct caaacttttag agatgatttc ttaaattatt cattaactca 360
ttcaataaaa attttcctga gaacctccct ctgcatccag aattgtgtca gaaattgagg 420
aagacgcaaa gatctaaatc caccacaaag tttggtaacta catgtatgta ctttaacttg 480
aacaaattaa aaaaatccaa acaggacacc tgagggttcca gtcttcagtg gaaaaatat 540
gactagtaat tcaataaccag tgtacttaca aacaccttta tgtatgattt ggggcagagg 600
gcaggccttag agacatttag caggcatggg actagatgca gtgttcagca ggccagggtt 660
gggttgaaag acaacaggcc atagaaaaag ccattagaat 700

```

```

<210> 1312
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1312
aacaggacac ctgaggttcc agtcttcagt ggaaaaaata tgactagtaa ttcaatacca 60
gtgtacttac aaacaccttt atgtatgatt tggggcagag ggcaggctta gagacattta 120
gcaggcatgg gactagatgc agtggttcagc aggccagggt tgggttgaaa gacaacaggc 180
catagaaaaa gccattagaa tgttgatgca gcaacttcca gcagtagctg ttcacctggg 240
aacaagcagc tctgaacttc aagtcaagca ttccagtagc ccaaaacaaa gatctaagca 300
ttaatctggc ctccctgcaa agactgacaa catataagta ggtgaaaggg cacataactc 360
ctttgaaact gctaagacag ctaaataaat agtctaaata ttaaaaaaca aaaggctgac 420
attggcagca agataaggtc agacccctg gcacagctgg cctttgggag ctcatcaatg 480
ccaccatcac tcagcccaat gtgggatgga ggcagcaaaag caggaacaag tgactagagt 540
aagccgggga accctcaggg gtcaatgtaa aactccaaga gatgccatgt gcttcttctt 600
gcttactac ttccctcttc tttaggcagc cccaagtaga attttagggg attcctgtgt 660
catgttcccc tctgtggcct ctgcctgcaa cctcagggac 700

```

```

<210> 1313
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1313
tgtgggatgg aggcagcaaa gcaggaacaa gtgactagag taagccgggg aacctcagg 60
ggtcaatgta aaactccaag agatgccatg tgcttcttct tgcttacta cttccctctt 120
ctttaggcag cccaagtag aattttagtg gattcctgtg tcatgttccc ctctgtggcc 180
tctgcctgca acctcaggga cagcctctgc tttcatagta ctactggct tccgggaagg 240
taacacaccc acctgtgagg ctaggaccca ggatttgggg caactgaaag ttccaatttc 300
ctgtggatcc atggggcaga aagcacagtt ggctacctcc aaggagtgc tcttttgtca 360
agccatgatg cctctggaca ctgaagctat gtcactagct aagaaatccc agtggggctc 420
cggtcacact ccctactacat atatgtggag aaagcagggt caaatgctgg ggacatcaaa 480
tttccaaaaa gaaaaaacac acacatgcac acacacttgg atctcccagg gtagctctca 540
gactccattg aagggtgatg acgccaagaa gcaacacagt tgggatctcc agagcccttg 600
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<211> 700

<212> DNA

<213> Homo sapiens

<400> 1314

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<210> 1315

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1315

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 1316

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<210> 1317
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 <212> DNA
 <213> Homo sapiens

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<210> 1318
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<400> 1318
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<210> 1319
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 <212> DNA
 <213> Homo sapiens

<400> 1319
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<210> 1320
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1320
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<210> 1321
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1321
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<210> 1322
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 <212> DNA
 <213> Homo sapiens

<400> 1322
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<210> 1323
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 <212> DNA
 <213> Homo sapiens

<400> 1323

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<210> 1324

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1324

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<210> 1325

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1325

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<210> 1326

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1326

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<210> 1327

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1327

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<210> 1328

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1328

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<210> 1329

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1329

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 1330

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<210> 1331

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1331

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gtcttacttc	tagcataaaa	ggaacattct	ggctgctata	tagagaagg	actgtagagg	480
acaagaatga	aagcagggtg	actgattaga	aagcattgca	gcattatagg	caagagctta	540
tgatggcctg	aactagagtg	gtaactgtgg	aagagataaa	tggatgaatt	cagaatattt	600
ttggaggaaa	aagggtgacat	gatttactat	tggatgtggg	catgagggaa	ggaaattaag	660
gatgactcct	ggatttttag	cctgagcaac	tttatagctt			700

<210> 1332

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1332

gactgattag	aaagcattgc	agcattatag	gcaagagctt	atgatggcct	gaactagagt	60
ggtaactgtg	gaagagataa	atggatgaat	tcagaatatt	tttggaggaa	aaagggtgaca	120
tgatttacta	ttggatgtgg	gcatgaggga	aggaaattaa	ggatgactcc	tggattttta	180
gcctgagcaa	ctttatagct	tttcatgttt	gtttttgaaa	tggggagatt	tgatgggggtg	240
ggggtttggg	aaattaagag	ttttttattt	ttattttttg	cttttttaaaa	attgtggtga	300

```

aatacacata acataaaaatt taccattttta accactctta agggcattaa gtacattcac 360
attgtgcaac catcaccatc atccatctgt agagaactct tttcatcttg caaaattgaa 420
actctgtacc tattaaacac taactcccca cccccctcct taccctagcc ccgaaaaccc 480
ttctataata cagaagtctc tatgaatttg accactctca taagtggaa cacaatagat 540
ttgtcctttt gtgactcgct tttattgtca cttagcataa tgtcttcaag gttcatccat 600
gtttagcat atgtcagaat ttccttcctt ttttaagactg aataaatatgc cattatatat 660
gtatactaca ttttgtttac ccattcatcc actgatggac 700

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```

<210> 1333
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1333
ctatgaattt gaccactctc ataagtggaa tcacatagta tttgtccttt tgtgactcgc 60
ttttattgtc acttagcata atgtcttcaa ggttcatcca tgtttagca tatgtcagaa 120
tttccttcct ttttaagact gaataatatg ccattatata tgtatactac attttgttta 180
cccattcatc cactgatgga cacttgggtt gcttccatct tttgcctgtt gtgactaatg 240
ctgctgtgaa catgtatgta caagtatcta tttgagtact tgcttttaat tctttgggta 300
tatacccaga agtgggaattg ctggatcatg tggtaattct atgtttaatt tttttaagga 360
attgccatac tgttttcccc ggtagctgta ccattttaca ttcccaccaa cagtgcacaa 420
gagttccagt ttctccacgt cctcgccaat acttggtatt ttctgtggtt ttgctgttgt 480
tgttgttttg tttgtttttg tttttttaca gaagctatcc taatgggtat aaagtgggat 540
ttcattgttg ttttattttg atttccctaa ttattaatta tgttgagcat cttttcatgt 600
gcttattggc aatttatata ttttcttttg agaaatgtct actcaactct tttgcccatt 660
ttaaatacag gttttttttt tgttgttgtt gaattgtagg 700

```

```

<210> 1334
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1334
gtttttttac agaagctatc ctaatgggta taaagtggta tttcattgtg gttttatttg 60
catttcccta attattaatt atgttgagca tcttttcatt tgcttatttg caatttatat 120
attttctttg gagaaatgtc tactcaactc ttttgcccat tttaaaatca ggtttttttt 180
ttgttgttgt tgaattgtag gagttcttta catatttggg atatgaacca cttatcagat 240
acatgatttg caaatatttt ctcccattct atgccttttc actattgatt atatcctttt 300
acgcacagaa gttttacatt tttgatgtag cccaattttt ctattttttc ttttgttgcc 360
tgtgcaagag ttttatttta aatgcaattt tgggatgtct attagacatc caagtcaaaa 420
tgtcaaatag acggtcggat atatgagtct gaaggtcata aaagagatca gaatgagata 480
taaattaggg aatcattcac atatagatgg tatttaaggc catgggtctg gacagaatca 540
cccaggagag aagtcataata ggaacacata ggttcccta gggaatacag tcatcttaga 600
gtaaaattcc atcgaaggag atcaggaggt cttggctgag ttaaatttgg ataataaag 660
ttattaacta tgtaaatgtg ttctaagcta gatgccaggt 700

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```

<210> 1335
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1335
catatagatg gtatttaagg ccatgggtct ggacagaatc acccaggaga gaagtcatat 60
aggaacacat aggtttccct agggaatata gtcactcttag agtaaaattc catcgaagga 120
gatcaggagg tcttggtcga gttaaatttg gataatataa gttattaact atgttaatgt 180
gttctaagct agatgccagg ttaaggcaga aattaggagg tcttgggcaa gtatcaattt 240
gctctgctat tgtattatta caagaataat actaacaata gtacatgacc tcatttcac 300
ctcacaatag ctttacgcga ttgatattct tgtcttcaact ttacaggcaa agaaacaaaa 360
gagaagtaaa gtaatttacc cagttgctat agttagcatg tggtaggtcc atatttagag 420

```

```

tctgggtctgt ctgcatgatg gttaatttta tgagatagca agtaaaacat tatttgtgtc 480
tgtgtctgtg tctgtgagga tgtgttcgga gaggttcaca agcatttgaa tcagtagacg 540
gagcaaataa ggtccgccct caccaatgtg ggcaggcatc atccaattca ctgaggactc 600
ctgctcacac agaacaaaaa gtcagaggat gtgcctatag ttccagcttc ttggaaggct 660
gcggcaggaa gatgctgggg cccaggagtt tgaggccagc 700

```

```

<210> 1336
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1336
atgtgttcgg agaggttcac aagcatttga atcagtagac ggagcaaata aggtccgccc 60
tcaccaatgt gggcaggcat catccaattc actgaggact cctgctcaca cagaacaaaa 120
agtcagagga tgtgcctata gttccagctt cttggaaggc tgcggcagga agatgctggg 180
gcccaggagt ttgaggccag ccagggcaac atagtaagac ctttctcttt aaaaaaattt 240
tttttggtg ggtgcagtgg ctcatgcctg taatcccagc actttgggag gccgaggcag 300
gcggatcatg aggtcaggag atcgagacca tcctggctaa catggtgaaa ccccgctctc 360
accaaaaata caaaaaatta gccgggcggt gtggtgggca cctgtagtac ccgctactca 420
ggaggctgag gcaggagaat ggagtgaacc ccggaggcgg aggttgcaat gagtggagat 480
tgcaccactg cactccagcc tgggcgacag atcaagactc cgtctcaaaa aaaaaaaaaa 540
tttttttttaa ggcataaggaa gggcaaattc tctcattctc tctcttcttg agctgggaca 600
tccattttct cctgccttca ggaaatcaga gtcctatgtt cttggatctc ccgactctgg 660
gacttacacc ttaccctttt cccctcagtc tttcagactt 700

```

```

<210> 1337
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1337
ctgggcgaca gatcaagact ccgtctcaaa aaaaaaaaaa ttttttttta aggcataagga 60
agggcaaatt ctctcattct ctctctctct gagctgggac atccattttc tcctgccttc 120
aggaaatcag agctccatgt tcttggatct ccgactctg ggacttacac cttacccttt 180
tccccctagt ctttcagact tggactgaat tacaccatca cctttcctgg ttctccagct 240
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taaactctct cctattgata tataacctata tctgtaatcc tattagttgg gtttctttgg 360
aaaactctaa taccctctta tccacagttt tttttttttt ctgcagtttc agttatctac 420
ggccaactgg gtaaaccaaa taggtgagta cagtacaata aaatattttg agagagagat 480
gcacatttgc atgacttcta ttacagcata ttgttataat cattctattt tattagctat 540
tgtagtctc ttattctgca taattttataa attaaatttt atcttaggta cgtatgtatg 600
tatgtatagg aaaaaaccta gtatatatag tgttcagtag tatctgaggt ttcaggaatc 660
ccctggtgtt cttggattgt agccccctgc cttcaagcct 700

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```

<210> 1338
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1338
attacagcat attgttataa tcattctatt ttattagcta ttgttagtct cttattctgc 60
ataatttata aattaaattt tatcttaggt acgtatgtat gtatgtatag gaaaaaacct 120
agtatatata gtgttcagta ctatctgagg tttcaggaat cccctgggtg tcttggattg 180
tagccccctg ctttcaagcc tgcactctca attactgatg ctacatctca ttaccctgaa 240
agatgaaatc tagccttgag cccttaccaa ctggctgcat tagatcattt tagatctcca 300
tgtcaccgca gtcacatttg tgtgtggtga atgggtccagg agagatgggt ctattcctgc 360
caccttcatt agcctggctt gcattctctt ctgaacactt gggctcttatt aacactgtgc 420
caggttctca tatacccaa ataaagaaaa agaaagtaga tggatacagt gtacatacta 480
ggcccaacag aagttatgct tttactccct ttctcttcca atttagatac tactatggcc 540

```

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ctttgcttcc gtctatctca gttccttcgt tgtcttatca ttccattcac ctctactgca 600
aggccctaaa tccaaccatt tggtcactgt actcctaccc tgggtcactg gagggaaatca 660
cacaaccatg tgagttgggtg tcttgacaca tttacatttc 700

```

```

<210> 1339
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1339
ttttactccc tttcctcttc aatttagata ctactatggc cctttgcttc cgtctatctc 60
agttccttcg ttgtcttatc attccattca cctctactgc aaggccctaa atccaaccat 120
ttggtcactg tactcctacc ctgggtcact ggaggaaatc acacaaccat gtgagttggg 180
gtcttgacac atttacattt ccaatcacia ttggaccctc agcccacttg ttactctctc 240
aaccatgtt tccttgacac catcaacagc ccccttctt tcttgatct taagtcagca 300
tcctggattg agagtgaaga gtaaaatggg ttgacttatt gtgagcttag cctttgcaag 360
actagtaaac aaaaggactg gggtagtggc aagagtatga atgggctgga gggatcacaa 420
gggtataaact gaaagggaaa ggaaatgata tcaggtgaga gctgaagagt tgggaggaaa 480
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cagcagcaag agtgtgaagt ataggtgaag gtcaagtact gcgaggctaa ggtgtagcac 600
tactcatctt cctgagcaca aaagtcacca gcacctggg ctgggtgtca gagagctcac 660
agaatgtgga taaccaacca ggcagatgtt ggtaacagca 700

```

```

<210> 1340
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1340
atggagctgt tgtgactgat gagaggccca ggggtgtgtc tcagcagcaa gagtgtgaag 60
tataggtgaa ggtcaagtac tgcgaggcta aggtgtagca ctactcatct tcctgagcac 120
aaaagtcacc agcaccttgg gctgggtgtc agagagctca cagaatgtgg ataaccaacc 180
aggcagatgt tggtaacagc aaccaggagg gcacagcaca aacctgagca ggtcttttat 240
gtatgtgaag gtgaaggagt tatgatttag aaatggcagt gggaaagcaag gagaatgctg 300
agagcctgct cagctcttgt cttccaggat catggatagt gcaaaatgag tagccttcct 360
ttgagagaca gagccatgag gctagtggag tgctcagaaa gaagccagat ctctatcaag 420
gaaaggagat ggagagaaca accagggatg tacttgaaa aggagagtgt catgtctaca 480
atggaatatg tgttgacag gactcagtca cagagaagac aactgcagga gggtagctg 540
gagggctctg caggggcagg agcacagtag ggcattagaa tgggagtgtt agatgagaag 600
gattacattt gcagtgtctg aggaagatca tctcaagggt cacaaaatca agctttaaac 660
ttgtctgtgt caacagacgg aggcattggg tgatagttca 700

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```

<210> 1341
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1341
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gagcacagta gggcattaga atgggagttt tagatgagaa ggattacatt tgcagtgtctg 120
gaggaagatc atctcaagggt tcacaaaatc aagcttttaa cttgtctgtg tcaacagacg 180
gaggcattgg gtgatagtct aaatccccat aattttttat aatcctttca gcagtctgtt 240
aaatataacc ttgggtgataa gctaaagtac ctcagcatag caagcttggc ttggtctaaa 300
tcagggtaga ggtgattgct gctcaaagga agtgagagag acaccagct ctggattgga 360
gaacatgact ttgacctggg tttcagcctc cacagggcta agccccagg gagcactggg 420
caagttgcta aggccacaag caggagttaa taaccaggct agactaagcc cactgatgca 480
agaatttttt tttttttttt ttgagacaga gtctcactct gtcacccggg cttagagtga 540
gtgggtgtgat cttggctcac tgcaacctcc gcttccctgg ttcaagtgt tctcctgcct 600
cagcctctca agtagctggg attacaggca cccgtacca tgcttggtca aattttgtat 660

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tttttttagta gagacagggg ttcaccgtgt tggccaggat

700

<210> 1342

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1342

tttgagacag	agtctcactc	tgtcaccg	gctagagtgc	agtgggtgtga	tcttggtctca	60
ctgcaacctc	cgcttccctg	gttcaagtga	ttctcctgcc	tcagcctctc	aagtagctgg	120
gattacaggg	acccgctacc	atgcctggct	aaatcttgta	tttttttagt	agagacaggg	180
tttcaccgtg	ttggccagga	tggctcttgag	ctcctgacct	caagtgatcc	acctgccttg	240
gcctcccaaa	gggctgggat	tactggcttg	agccaccatg	cccagcctga	tgcattgaatt	300
tgcattcttc	atgctcttca	tctatgcttc	tgaagacctg	gcacttagtc	aacactcagt	360
aagtttttat	tttttaactg	ctttatgatt	ataaaagtaa	tatatgaagc	atttgtaaag	420
tatggaaatc	tggaaaaaat	aaaacagaag	tcatctataa	tctgaccatc	caaacatacc	480
tactgttaat	accttagtct	acgttctttc	tttttttcc	tttttttgaga	tggagctctg	540
ctgtgttgcc	caggctggag	tacaatggca	tgatttcggc	tcactgcaac	ctctgcctcc	600
caggttcaag	cagttctcct	gcctcagcct	cccaagtagc	tgggcttaca	ggcatccacc	660
accatgccct	ggtaattttt	gtatttttag	tagagatggg			700

<210> 1343

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1343

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tgcctcagcc	tccaagtag	ctgggcttac	aggcatccac	caccatgccc	tggtaatttt	180
tgtattttta	gtagagatgg	ggtttcgcca	tgttgccag	gctgggtctca	aactcctgac	240
ctcatgtgat	ctgcccgcct	cagccttcca	aagtgctagg	attacaggtg	tgagccaatg	300
cgcttgccct	tttttttttt	ttaagacagt	tttgctcttt	ttgcccaggc	tgtagtgcag	360
tgggtgtgatc	ttggctcact	gcaaccaggt	tcaagtgatt	ttcctgcctc	agccttctga	420
gtagctggga	ctacagacgc	caccatgccc	agctaatttt	tttgtatttt	tagtagagat	480
gggggtttca	ccatattggc	cagggttggtc	tccaactcct	gactttgggt	gatccgcccc	540
cgttggcctc	ccaaagtgtt	gggattacag	gcataacca	ctgtgcccag	ctgagcctac	600
tttcttctgg	tctttttctc	atgcctcccc	accaccaccc	cagccccccg	ccattacata	660
cgtatatatg	tttatttttt	ttttaaagag	atgaagtctt			700

<210> 1344

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1344

ccagggttgg	ctccaactcc	tgactttggg	tgatccgccc	acgttggcct	cccaaagtgt	60
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catgcctccc	caccaccacc	ccagccccc	gccattacat	acgtatatat	gtttattttt	180
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tcacacctgg	ctatttttca	cgctttaaaa	actcacttta	ttcattcatt	tattcactca	360
ttctttgatt	aacactcata	tactggtttt	attttattat	tttatatttt	tagctacagg	420
gtctcactct	gtgcccagag	ctggagtgc	gtggcatgat	catgactctg	caaccccgaa	480
ctcctgggct	caagggatcc	tcccaactca	gcctcccaag	aagttaggat	tacaggcaca	540
tgctaccaca	ccctgcta	ttttttaaat	taattttttt	cttccttttt	tttttttttt	600
tttttttgta	gaaccagtgt	gtgttaggcc	attcttgc	tactataaag	aaatacctga	660
gactgggtaa	tttattaaga	aaagaggttt	aattgactca			700

<210> 1345

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1345

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ctcccaactc agcctcccaa gaagttagga ttacaggcac atgctaccac accctgctaa 60
ttttttttaa ttaatttttt tcttcctttt tttttttttt ttttttttgt agaaccagtg 120
tgtgttaggc cattcttgca ttactataaa gaaatacctg agactgggta atttattaag 180
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ctgctcagct tctagggagg cctcaggag cttttactca cagtggagg tgaaggggga 300
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tgccccatg accaaaacac ctcccagcag gccccacctc caacattaga gattacattt 480
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taaattctcat gtcttctca agttgcaaaa tacaatcatg ccttcccaag agttcccca 600
agtcttaact cattccaatg ttaactccaa agcccaaaat tcaaagtctc atctgagaca 660
aggcaagtct cttccaccta tgagcctata aaatcaaaaa 700

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<210> 1346

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1346

```

ggataaatat ccagactatg tcattttgcc cctggccctc cttaaattctca tgtccttctc 60
aagttgcaaa atacaatcat gccttcccaa gaggctccca aagtcttaac tcattccaat 120
gttaactcca aagcccaaaa ttcaaagtct catctgagac aaggcaagtc tctccacct 180
atgagcctat aaaatcaaaa acaagctata tacttccaag ttacaatggg tgtataggca 240
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caggtctgga ggggtggtgac ccctttctca cagctccacc aggcagttcc ccagtggaga 600
ctgtgtgggg ccttcaaccc cacatttccc ctccaaactg ccctagtagg gggtctctgt 660
gaggggtcca cccctacagc aggttctctg ctgggtacct 700

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<210> 1347

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1347

```

tccaggcaca ggggtgcaagc tgccagtgga tctaccattc tcaggtctgg aggggtggtga 60
cccccttctc acagctccac caggcagttc cccagtggag actgtgtggg gccttcaacc 120
ccacatttcc cctccaaact gccctagtag gggttctctg tgagggttcc acccctacag 180
caggttctct cctgggtacc ctggttttct tgtacatcct ctgaaatcta ggtagaggct 240
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gccaaagcat atggcttttg ctctttggag cagcagcctg agctgtacct gagggccctt 360
gagccacagc tggagctgga acagcctgga tgtaggagc actgtcctaa ggaggctgtg 420
cagagccatg gggtcctagg cctagcccat gaaatgattc ttccctcctag gtctctgggc 480
ctgtgctgtg gatggcaagg gctgcccctg agatctctga aatgccttca aggccttttt 540
cccattgtct tagctattag tacctggctc tcttttagtt attcaaattt ctctagcaag 600
tggttgctcc acagcctgct tgaattcctc tactgaaaat gcttctgctt tctctatcac 660
atggccaggc tgcaaatttt cttaaagttt acactctgct 700

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<210> 1348

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 1348
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 gtacctggct ctcttttagt tattcaaatt tctctagcaa gtgggttgctc cacagcctgc 120
 ttgaattcct ctactgaaaa tgcttctgct ttctctatca catggccagg ctgcaaattt 180
 tctaaagttt tacactctgc ttccccctta aatataactt ctaactttta gtcatttttt 240
 ttgctctcac atctgagtta agctgttaga tgcagccatg taacttcttg aacactttgc 300
 tgcttagaaa tttcctctgc cagataccct agttgtcact ctgaagttca aacttccaca 360
 gatccttaca gcatgaacaa agtgcagcca agttctttgc taggccataa tgagggtggc 420
 ctttgctcca tttctagggt cctcatttcc atctgagacc tcatcagcca cgccttcact 480
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 ttctgagaat acagaagtgc tcctcatgga acttacagtc tagtggagga agaaggacaa 600
 taaatgcaac aaagaagtaa attagtcagg atgtcagaga gtgataagtc ccatggagaa 660
 aaatgaagca ggagaaaaat gaagcaggga tgcataaagt 700

<210> 1349
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1349
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 ctctcatgga aacttacagt ctagtggagg aagaaggaca ataaatgcaa caaagaagta 120
 aattagtcag gatgtcagag agtgataagt cccatggaga aaaatgaagc aggagaaaaa 180
 tgaagcaggg atgcataaag ttagttcaga gagagaacag gatacaattt taaatagtgt 240
 ggctcagataa ggggtttatta aggaggtggc atttgggcca agacactaag gaagtaagag 300
 aacaagctat gtatagatgt ggggaagagca ttctaggaa gaggggaacaa gtatctaata 360
 gagaagcatg tctagtatgt tcaaagaata gcaaagcctt ggtagcctta atgaagaaag 420
 caatggagag agtaataaga gatgatgtca gcgagctaaa ggagggcatg aagattagag 480
 tagggcccta taaactggat gaccactgtc aaatgaaatt aaggctgttg aggcagaaat 540
 gatttgataa aagtttattg gaagccaaat gtgaggatga acccaggaaa acacaccaac 600
 aaagttgaga gtgttctgga gtctgttaca agttggaaa gtagaagaca ggagggggac 660
 tcttcataca ggagttgtcc tttttcactg gaggttaca 700

<210> 1350
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1350
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 ctttttcact ggaggggtaca atacaaaggt tacaataatt ggctacagat tgcaacatgc 240
 agactaacat gtctacatgc aagacaatca gtaaaatgtt atgactcaga aataaatcag 300
 tgtccttttc agtgtcagta ggtggtgcat tgatcagtac atcaacaatt tgaggaactt 360
 ctaagattcc ttactcagga caaggatatg ccatgaatca caagaccttc ccaagatggg 420
 ttaatttgga agctgtttac ttttaaagta aactgtcaaa tgtgacctgt aggttattgc 480
 catatataat ttgtcatcca aattaggaga cttctagaat gaaagttgga ggtgaggggt 540
 attaatacatt aacactaggg ctggttgccg tggctcacgc ttgtaatccc agtactttgg 600
 gaggctgagg caggcagatc acgaggtcag gggattgaga ccatcctggc caacatgggt 660
 aaaccccggt ctctactaaa aaatacaaaa aaaaaaaaaa 700

<210> 1351
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1351

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aaattagagg acttctagaa tgaaagttgg aggtgaggggt tattaatcat taacactagg 60
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cacgagggtca ggggattgag accatcctgg ccaacatggg gaaaccccggt tctctactaa 180
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aaaaaaaaaag ttaacactag ttcagtggag agaagccagg actgtgctgg acaaactctg 420
acgtgtaatc attctactta tagaccattg taaggacttg ggctttcaaa aaatctgact 480
gagatgggaa gcgattggaa ggttttgagc agaaaagtaa catgatgtga ttgagatata 540
cctgactact atgctgagag tagattgaag gggcgtagga gcagccttaa tgaagaagga 600
ttggctgggg gctaacagaa tgcaggggag aaactggatt ctgcatatgt tgaaattatg 660
gcaaaagatt ttattgacag attggatgtg gagtacaaga 700

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<210> 1352

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1352

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aggtttttgag cagaaaagta acatgatgtg attgagatat ccctgactac tatgctgaga 60
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atgcagggaa gaaactggat tctgcatatg ttgaaattat ggcaaaagat ttatttgaca 180
gattggatgt ggagtacaag aggaagagca gccaggaaaa taaagtttcc atttactgag 240
ttggggagga cttcaggaag agcagatttg ggatgaaatt aggagcacat gttaaatttg 300
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tatgtgagcc tggagtccac tctctctatg tgttggtggt catcagtgca gagatgatat 420
ttaaatcatg agactggatt ttttaaaaag gaagaggact gaagactaag ttctgggcac 480
tccaattttg ggcagtagcg gagatgaaga aaaaccagca cactagatgg taaaggagca 540
gccaacaagg taagaggaaa accaagcaag tgtcattttt gttgattttt ttgatacaga 600
gtctcactct gtcactcagg ctggagtgca atgacacaat ctcggtcac tataacctct 660
gccttctggg tccaagtgtt tttcttgctt cagcttccca 700

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<210> 1353

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1353

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ggagatgaag aaaaaccagc aactagatg gtaaaggagc agccaacaag gtaagaggaa 60
aaccaagcaa gtgtcatttt tgttgatttt tttgatacag agtctcactc tgctactcag 120
gctggagtgc aatgacacaa tctcggtcct ctataacctc tgcttcttgg gtccaagtgt 180
ttttcttgcc tcagcttccc aagtagctgg gactgcagggt gtgtgccacc acgcctggcg 240
caagtgtcat gtagaaagca gttcaaggat gaaagagaaa tgagtgtgtc aaatgccttg 300
agaggtcagg taagatgatg actgtgaatt gactattgaa ttcagaaaca tgcaggtcac 360
tgcgacacct gatagagggt ctctggtgaa aggtgagggc taaagcttaa ttgtagtggg 420
gccaagtga aattggaaga acaaagttga aagtagcaag tagatatagc aatcttccaa 480
ggagtttcac tgctaaggga caggagagaa tggggcagga gctgacagca gaaactgggt 540
caagagagag cttttacagc ctctttgcat actgaatggg aaagatccag tagagaggga 600
aaagatttat gatgggggag tcaggagaat tgctagagca acatgtgctc ctaatttcat 660
cccaaatctg ctcttctctga agtcctcccc aactcagtaa 700

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<210> 1354

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1354

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acagggagaa atggggcagg agctgacagc agaaactggg tcaagagaga gcttttacag 60

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cctcttttgca tactgaatgg gaaagatcca gtagagaggg aaaagattta tgatggggga 120
gtcaggagaa ttgctagagc aacatgtgct cctaatttca tcccaaatct gctcttcttg 180
aagtcctccc caactcagta aatggaaaact ttattttcct ggctgctctt cctctcgtag 240
tccacatcca atctgtcaat aaagtctttt gccataattt caacatatgt agaatccagt 300
ttcttgcttg tattctgtta gccccagcc aatccttctt cattaaggct gctcctacgc 360
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ttgagcccag gagttcagta ctagcctagc caacatggca aaaccctgtc tctactaaaa 600
atacaaaaat tagctgggta tgggtggtgca tgctgtaat cctagctact tcggaggctg 660
aggcatgaga atcgtttgaa cctgggaggc agaggttgca 700

```

<210> 1355

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1355

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tataatccca gcactttggg aggctgaggc aggccaatca cttgagccca ggagttcagt 60
actagcctag ccaacatggc aaaaccctgt ctctactaaa aatacaaaaa ttagctgggt 120
atggtggtgc atgctgttaa tcctagctac ttcgagggtc gaggcagtag aatcgtttga 180
acctgggagg cagaggttgc agtgagccac tgcactccag cggggaggag agaccattca 240
ggagaaacgg gagaaaagac agaggggtgt ggtacagatg gagttaggct ggtggattat 300
gctgcttgta gaggttctct ccattgcttc tattttctag gtgaaatagg aagccaaggc 360
acagctgagg gtgatcatgg gggaggagggt gatggagtcc tgaagagaaa gaaggtcttc 420
caggatagag aatgaaccag ggcaattagg atcctcttga agtcactgat ggtcagttta 480
aagtgaacc agtcagatgg aatatattt ccactacat ttggctatgc aggtgctagc 540
aagaagtagg agggagggtta gatttaacca gctttatagt ttcccacaaa agcaaggcag 600
ataagaaagg ggcaagggaag atgattatga tgattaagca tgggaatttaa gctggccaag 660
aaggggtgtg aggacatgag taagatgaga gatagcaaaa 700

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<210> 1356

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1356

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gaatatattt tccatctaca tttggctatg caggtgctag caagaagtag gagggagggt 60
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gatgattatg atgattaagc atggaattta agctggccaa gaaggggtgt gaggacatga 180
gtaagatgag agatagcaaa aacgtggaca tctttgccag gtatggagcc aaacacagta 240
tgcattgtct catgtaatcc ccacccaaat ggaattgtta tcatccctct ttacagatga 300
agaagctgag ttttagggaa gactgtaact tgctcaaagt cacacagctg atagagaagt 360
gacacacca gcatcaggtc ctggaacact tgtctccaaa ggctatgtac ttagccctat 420
ttgctttaac tggagtatta gtgggcatta caaaaattga tgcatatgta caaaggatgg 480
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ctgttgtaca gaattcttta aaagtttata gtaaaatcta tttatcttca atttcctatt 600
catcttaaaa ttaaattgtc cctatatattt cttctagctt ttgatttatt tactcttggc 660
tctattttat ttacatttat tacatttggc tctttagttg 700

```

<210> 1357

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1357

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tttgtaata cttttccaac ttgagttaat ttttaagattt tctgttgtag agaattcttt 60
aaaagtttat agtaaaatct atttatcttc aatttcctat tcatcttaaa attaaatgtc 120
acctatattt tcttctagct tttgatttat ttactcttgg ctctatttta ttacattta 180

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ttacatttgg ctcttttagtt gatcaggaat taatttggta tgtgggtttat ggtgggatac 240
tatttattcc cccagttttt ccattttttac cagttcttca gcttgtcgat tgtcccagca 300
ccagtcttca acaatgtatc attttcttga taatttataa ttcattctta tcatatgtta 360
caatttttca acacttgggt ctgtttctgt gataacctctt ctatttcggt gattgattta 420
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agtagttagt tcattgtgtg tttttatata tgtaagagaa catttcccct tatcaatgat 540
ctttttcaaa aatttcttaa acatattaca tatttctttt ttcagatgct ctttacaaat 600
attttttaac ttcttaaaat atctcattga ggattccggt ccaagatggc caaataggaa 660
cagctctggt ctgcagctcc cagtgtgatc gacgcagaag 700

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<210> 1358

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1358

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gtttttatat atgtaagaga acatttcccc ttatcaatga tctttttcaa aaatttctta 60
aacatattac atatttcttt tttcagatgc tctttacaaa tattttttaa cttcttaaaa 120
tatctcattg aggattccgt tccaagatgg ccaaatagga acagctctgg tctgcagctc 180
ccagtgtgat cgacgcagaa gacggatgat ttctgcattt ccaactgagg tacctgggtc 240
atcttactag gactggttgg acagtgggtg cagcccacgg aggggtgagcc gaagcagggc 300
aggcatcgc ctcacctggg aagcgcaagg agtcagggga tttccttttc ctagccaagg 360
gaagccgtga cagatggtac ctggaaaaac gggacactcc tgcccaaata ctgcgctttt 420
ccaaagtctt agcaaatggc acaccaggag attatatcct gtgcctggct cgacagatcc 480
tatgtccatg gagccttgct cactgctagt gcaacagtct gagattgacc tgcaaggcag 540
caacctggca tggggagggg catccgccat tgctgaggct tgagtaggta aataaagtgg 600
ctgtggaagc tcgaactggg tggagcccac cacagctcag caaggctgac tgcctctgta 660
gtctccacct ctggggcagg gcatagctga acaaaaagca 700

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<210> 1359

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1359

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tactgctag tgcaacagtc tgagattgac ctgcaaggca gcaacctggc atggggaggg 60
gcatccgcca ttgctgaggc ttgagtaggt aaataaagtg gctgtggaag ctcgaactgg 120
gtggagccca ccacagctca gcaaggctga ctgcctctgt agtctccacc tctggggcag 180
ggcatagctg aacaaaaagc agcagaaact tctgcagact taaacatccc tgtctgacag 240
ctctgaagag agcagtgggt ctcccaggat ggtgttttag cttggagaac agacagactg 300
cctcctcaag tgggtccctg acccccattgt agcctaactg ggagacacct cccagtagcc 360
gactgacacc tcatacaggc aggtgccccct ctgggatgaa gcttccagag gaaggatcac 420
tcagcaatat ttgctgttct gcaatatattg ctgttctgca gcctctgatg gtgataccca 480
ggcaaacagg tctggagtag acctccagca aactccaaca gacctgcagc tgagggacct 540
cactggtaga aggaaaacta acaaacagaa agaaatagca tcaacatcaa caaaaaggac 600
atccacacca aaaccccatc tgtaagttac caacatcaaa gaccaaaggt agataaaacc 660
acaaagatgg ggagaaacca gagcagaaaa gctgaaaatt 700

```

<210> 1360

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1360

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gacctccagc aaactccaac agacctgcag ctgagggacc tcaactggtag aaggaaaact 60
aacaacaga aagaaatagc atcaacatca acaaaaagga catccacacc aaaaccccat 120
ctgtaagtta ccaacatcaa agaccaaagg tagataaaac cacaaagatg gggagaaacc 180
agagcagaaa agctgaaaat tctaaaaacc agagcacctc ttctcctcca aaggatcaca 240
actccttgcc agcaatggaa caaagctggg tggagaatga ctttgacgag ctgacagaag 300

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```

tggacttcag aaggtcagta ataataaact tctcccagct aaaggaggat gttctaaccc 360
atcgcaagga agctaaaaac cttgaaaata gattagacga atggctaact agaataaaca 420
gtgtagagaa gaccttaaat gacctgatgg agctgaaaac catggcacga gaactttgtg 480
acacatgcac aagcttcaat agccgattcg atcaagaaag gatatcagtg attgaagatc 540
aaattaatga aataactcaa gaagattaga gaaaaaagag taaaaggga cgaacaaagc 600
ctccaagaaa tatgggacta tgtgaaagac caaatctacg tttgattggg gtacctgaaa 660
atgacagggg gaatggaacc aagttggaaa acactcctca 700

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<210> 1361

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1361

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tagccgattc gatcaagaaa ggatatcagt gattgaagat caaattaatg aaataactca 60
agaagattag agaaaaaaga gtaaaaggga acgaacaaag cctccaagaa atatgggact 120
atgtgaaaga ccaaatctac gtttgattgg tgtacctgaa aatgacaggg agaatggaac 180
caagttggaa aacactcctc aggatattat caaggagaac ttccccaact tagcaaagca 240
ggccaacatt caaattcagg atatacagag aatgccacaa agatactcct caagaagagc 300
aaacccaaga cacataattg gcagattcac caaggttgaa atgaaggaaa aaatgttaag 360
cgcagccaga gagaaaggtc gggttacgca caaagggaag cccatcagac taacagcgga 420
tctctcggca gaaaccctac aagcccgaag agagtggggg ccaatattca acattcttaa 480
agaaaagaat tttcaaccca gaatttcata tccagccaaa ctaagcttca taagtgaaga 540
ataaaatcct ttccagacaa gcaaagtctg agagattttg tcaccaccag gcctgccccta 600
aaagagctcc tgaaggaagc actaaacatg gaaaggaaaa accggtacca gccactgcaa 660
aaatatgcca aattgtaaag accatcgatg ctatgaagaa 700

```

<210> 1362

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1362

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agaatttcat atccagccaa actaagcttc ataagtgaag aataaaatcc tttccagaca 60
agcaaagtct gagagatttt gtcaccacca ggccctgccct aaaagagctc ctgaagggaag 120
cactaaacat ggaaaggaaa aaccggtacc agccactgca aaaatatgcc aaattgtaaa 180
gaccatcgat gctatgaaga aactgcatga actaacaagc aaaataacca gctaacatca 240
taatgacagg atcaaattca cacataacaa tattaacctt aaatgtaaat gggctaaaatg 300
ccccatttaa aagacacaga ctggcaaatt ggataaagag tcaagaccca tccgtgtcct 360
gtattcagga gacctatctc acgtgcagag acacacatag gctcaaaata aagggtgga 420
ggaagatcta ccaagcaaat ggaaagcaga aaaaagcagg ggttgcaatc ctagtctctg 480
attaaacaga ctttaaacca acaaagatca aacgggacaa agaaggccat tacataatgg 540
taaagggatc aattcaacaa gaagagctaa ctatcctaaa tatatatgca cccaatacag 600
gaacaccagc attcataaaa caagtcctta gagacctaca aagaaactta gactcccaca 660
caataataat gggagacttt aacaccccac tgtcaatatt 700

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<210> 1363

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1363

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aacaaagatc aaacgggaca aagaaggcca ttacataatg gttaaaggga caattcaaca 60
agaagagcta actatcctaa atatatatgc acccaataca ggaacaccca gattcataaa 120
acaagtcctt agagacctac aaagaaactt agactccac acaataataa tgggagactt 180
taacacccca ctgtcaatat tagacagatc aatgagacag aagggttaaca aggatatcca 240
ggacttgaac tcagatctgc accaagcaga cttaatagac atctacagac ctctccaccc 300
caaatgaaca gagtatacat tctttctcagc accacatcac acttattcca aaattgacca 360
catagttgga agtaaagcac tccttagcac atgtaaagga acagaaatca caacaaactg 420

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tgtctcagac	cacagtgcaa	tcaaattaga	actcaggatt	aagaaactca	ctcaaaactg	480
cacaactgca	tggaaactga	acaatctgct	cctgaatgac	tactgggtaa	ataacgaaat	540
gaaggcagaa	ataaagacgt	tctttgaaaa	caatgagagc	aaagacacaa	cgtagccagaa	600
tctctggaac	acacttaaag	cacggtatat	agggaaattt	atagcactaa	ataccacaaa	660
gagaaagcag	gaaagatcaa	aatcaacacc	ctaacatcat			700

<210> 1364

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1364

aacaatctgc	tcttgaatga	ctactgggta	aataacgaaa	tgaaggcaga	aataaagacg	60
ttctttgaaa	acaatgagag	caaagacaca	acgtgccaga	atctctggaa	cacacttaaa	120
gcacggtata	tagggaaatt	tatagcacta	aatacccaca	agagaaagca	ggaaagatca	180
aatcaacac	cctaacatca	taattaaaag	aactagagaa	gcaagagcaa	acaaattcaa	240
aagctagcag	aaggcaagaa	ataactaaga	tcagagcaga	actgaaagag	atagagacac	300
aaaaacttca	aaaaaatcaa	cgaatccagg	agctcgtttt	ttgaaaagat	caacaaaatt	360
gatagactgt	tagcaagact	aataaagaag	aaaagagaga	agaatcaaat	cgatgggtata	420
aaaagtgata	aaggggatgt	caccaccaat	cccacagaaa	tacaaactac	catcagagaa	480
tactataaac	acctctacac	aaataaacta	gaaaatctag	aagaaatgga	taaattcctg	540
gacacataca	gcctcccaag	actaaaccag	gaagaagttg	aatctctgat	tagaccaata	600
acaggctctg	aaattgaggc	agtagttaat	agcccaccaa	ccaaaaacag	tccaggacca	660
gacagattca	cagccaaatt	ctaccagagg	tacagaggag			700

<210> 1365

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1365

caaataaact	agaaaatcta	gaagaaatgg	ataaattcct	ggacacatac	agcctcccaa	60
gactaaacca	ggaagaagtt	gaatctctga	ttagaccaat	aacaggctct	gaaattgagg	120
cagtagttaa	tagcccacca	acaaaaaaca	gtccaggacc	agacagattc	acagccaaat	180
tctaccagag	gtacagagga	gctggtacca	ttctttctga	aactattcct	agcaatagaa	240
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gcagagacac	aacaaaaaaa	agagaggccg	ggcgcggtgg	ctcacgcctg	taatcccagc	360
actttgggag	gccgaggcgg	gtggatcatg	aggtcaggag	atcgagacca	tcctggctaa	420
caaggtgaaa	ccccgtctct	actaaaaata	caaaaaaatt	agccgggctg	gggtggcgggc	480
gcctgtagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaagca	540
gagcttgagc	tgagccgaga	ttgcgccact	gcagtcgcga	gtccggcctg	ggcgacagag	600
cgagactccg	tctcaaaaaa	aaaaaaaaaa	agagaatttt	ataccaatat	ccctgatgaa	660
catcgatgca	aaaatcctca	ataaaatact	ggcaaaccga			700

<210> 1366

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1366

cgggaggctg	aggcaggaga	atggcgtaga	cccgggaagc	agagcttgca	gtgagccgag	60
attgcgccac	tgcagtccgc	agtccggcct	gggcgacaga	gcgagactcc	gtctcaaaaa	120
aaaaaaaaaa	aagagaattt	tataccaata	tccctgatga	acatcgatgc	aaaaatcctc	180
aataaaaatac	tggcaaacgg	aatccagtag	cacatcaaaa	agcttctcca	ccacgatcaa	240
gtgggcttca	tccctgggat	gcaaggctgt	ttcaacatat	gcaaataaat	aaacataatc	300
catcacagaa	acagaaccaa	tgacaaaaac	cgcttgatta	tctcaataga	tgcagaaaag	360
gccgtcgaca	aaattcaaaa	gcccttcatg	ctaaaaactc	tcaataaact	aggatttgat	420
agaacgtttc	tcaaaaataat	aagagctata	tatgacaaac	ccacagccaa	tatcatgtgg	480
aatgggctaa	agctgttgac	ctgatagata	tgggttcaag	aggacacagc	tgaatactgt	540

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gcttaggaaa agaacagttt caaaggcttt ccagattgtc agatttgatg atatcctcct 600
tgggtgcacac ctctcttggc tatggggcac ataaaccacc tctaccaatc taactgggtt 660
gtgcagtttt tctgattttg tatctaccgg caaaatatat 700

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<210> 1367
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1367
cctgatagat atgggttcaa gaggacacag ctgaatactg tgcttaggaa aagaacagtt 60
tcaaaggctt tccagattgt cagatttgat gatatcctcc ttgggtgcaca cctctcttgg 120
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gctgaaactg tagctaggag ctgccttgct gccttcttgc aggcagattg gccagatgag 360
ccaggctaaa atacaattaa tatctaccat tgtggtttta tatgaaatat ggatacctgg 420
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aatatctcat tagtgataat gagccctttt gattcgataa ctctgagtt tatgctaata 540
aggttactta atgtggggcc ctagatatct ttaggatggg gctagttccc ggaaagacca 600
ggtcatttga ggattagagg gttggaactt ttagctctac ccactgatct ctgggtgggg 660
aagggtgctg agatcaagct gcctaaaaac tcttgaacaa 700

```

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<210> 1368
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 1368
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gggttggaaact tttagctcta cccactgatc tctgggtggg gaagggtgctg gagatcaagc 180
tgcttaaaaa ctcttgaaca acaagatttg aggagcttcc agtaaatagcg tccacaagct 240
gggaggggac tgcacccag tttcactggg acagaagctc ttgcacttgg aatctttcca 300
gacctagccc ttcatgctgc ttcatctggc tgcttctctg taccctttat aataaattgg 360
caaatgtaaa gggttagctg aatttggtga gcctttctag aaaattaatt gaacctaaga 420
aggggtctgt ggaaaccctg gttttagtgg ggttaggtcag aggtgcgtgt ggcttggatg 480
ttcgaatggc atctgaagag ggacagagca cacaacctgt gggatctgac actatctccc 540
cgcagatagg gtcagagctt aattctatta gagaacacc cattgggtatc tgctggagaa 600
ttacttggtg tatgagaagc cccccaccac atctgggtcac agaagtattg tgggttgagt 660
gtgacagtagc agggtaaaaa gtggtttgtt ttttctctta 700

```

```

<210> 1369
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1369
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ccccccacca catctggtca cagaagtatt gtgggttgag tgtgacagta cagggtaaaa 180
agtgggtttgt ttttctctc aacagtgatc actccctctc aaaggagtgt ggaagggttt 240
ctggatagga atactgcata taatcatttg gttcacttca gaaactacta taattttgac 300
tgtgctgggt cacttccaca tgtacaaaca cacacacata cacacacatt gttgtcacct 360
aatatttgcg ttaatacaat gatgttattt ttatttggat agtatttcta tgattggaaa 420
tgagtgttaa tctttatatg tattttacca gtccttgact aacatgtttt caagacatct 480
taccaatcca tttcattgaa ttaatgagta aggagactct ctagaaatgg ttggtttgta 540
aagcaaggac attatctgga agaatactcc agagtttact gtatgacgag catttcttga 600
tagcaagggt cattttgggt tcaatcggtt cagtcagtcc atttcagtgg gaacaacgaa 660

```

tttctccaca ggggtcttatt tttctgtttt tcacttcacc

700

<210> 1370

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1370

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attaatgagt aaggagactc tctagaaatg gttgggtttgt aaagcaagga cattatctgg 60
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gtcaatcggt acagtcagtc catttcagtg ggaacaacga atttctccac aggggtcttat 180
ttttctgttt ttcacttcac caaatggggg agatattttt tcagaatgca gttattagaa 240
ccttgggatt ttcttctgtc tccattgagt ctcttggttt tttcccagat ctgaacctga 300
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atgagaacct catggtgtag atctaataat ttatgctttt aaacatctga ggctactttc 480
ttaattaagc atagaagcca gaatttaaac tctttcacag ttttcccaag caaaggatag 540
agagggaggc atgaaattct tggcaattaa agttgatact gaagtagttc tatcattaga 600
agaaaacaac ttatcaacaa tgggcacttt ttgctataaa tgttctgtca gggatcagaa 660
ttaattcata tgcagagtta cctttatcaa ggccaggcac 700

```

<210> 1371

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1371

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agaattttaa ctctttcaca gttttcccaa gcaaaggata gagagggagg catgaaattc 60
ttggcaatta aagttgatac tgaagtagtt ctatcattag aagaaaacaa cttatcaaca 120
atgggcactt tttgctataa atgttctgtc agggatcaga attaattcat atgcagagtt 180
acctttatca aggccaggca ctgggaacac tttatctttt ataacctcaa aatagccgta 240
tgaaatatcc catatagcag atgggaatac tgaagcttag tgaatattaa gtgatatgcc 300
caaatttttg cagtagattt gggattttaa gccaggcagt gttactcgaa actctaaact 360
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tttgtccctg gtccttaaca tagagatcct aaatctctta taatttcttg agtgataggg 480
agtgataaaa gcttcttttg ttctaattgag gcaacccttg gctgggccct tagatagctt 540
caggggtggg gctggtcacc agaagactaa gcctggatta gaagcctgga acctctgggg 600
agaggagaga ggctggggat agacttaata atccatcatg ccaacatgac taaacctcca 660
tgaaaacctc taaatgatgg ggtttggaga acttccgagt 700

```

<210> 1372

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1372

```

gttctaataa ggcaaccctt ggctggggcc ttagatagct tcaggggtggg ggctgggtcac 60
cagaagacta agcctggatt agaagcctgg aacctctggg gagaggagag aggctgggga 120
tagacttaat aatccatcat gccaacatga ctaaacctcc atgaaaacct ctaaattgatg 180
gggtttggag aacttccgag ttggtgacca catccacatg ccaggagggc agtgcacctt 240
aactccgtag ggacagaacc tctgcactca ggacctctcc agacctctct gtatgtacct 300
cttcatctgg ctgttcattt gtatcctttg taagaaaccg ctagtggcca gtgttctgag 360
tgctgtgagt cattctagca aataatcaaa cccaaggagg ggatttgttg gaaccccaga 420
cttggttagc aagtcagaga gaaatgtggg taacctgggg acctgacatt tgtgagtggc 480
aagtgaagca aggcagtatt gtgggactga gtctttacac ctgtggagtc tgatgctaaa 540
tttaggtatt gtcaaaattg aactgcatta taggacactc aataggtgtc agaattgggtt 600
tgcgtcaaga agaaaaaccc ttgcgcaatc tcataagcca aaaaaagatg ttgaattggtt 660
ttatttttgc atttccttat taatgtggac aaataacttt 700

```


<210> 1373
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1373
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 gaactgcatt ataggacact caataggtgt cagaattggg ttgcgtcaag aagaaaaacc 120
 cttgcgcaat ctcataagcc aaaaaaagat gttgaattgt tttatTTTTg catttcctta 180
 ttaatgtgga caaataactt ttttcatgta tatattggac actgaagtga cttcttctgt 240
 aaactgtctg ttcttgtcct ttgctgggtt tctactgaa ttgtttgtct ttttctcact 300
 gggttactatg agctTTTTgt atattaagta tatttagcctt atgttttaggt tttgtgtagc 360
 aaatatTTTc tcttggctta ttgactTTTg tctttgtggg tggtttcttt ttgccttgcc 420
 aataatttaa aaaatgtaca atcagatata tcaatctgtt cctttatggg tctttgattt 480
 tatgttatgc tcagtaagat cttctctaag gttataaaaa tgtttgtttc ctcttggtat 540
 atttatgatt ttacattttt aggcctaaat tttttaactg tctggatttt atcttgatgt 600
 gttttttttt tggagacgga gtctcgctct gtcacgcaga ctggagtgtg gtggcgcgat 660
 ttcggctcac tgcaacatcc accaccctgg ttcaagcgat 700

<210> 1374
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1374
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 agtctcgctc tgtcacgcag actggagtgt agtggcgoga tttcggtca ctgcaacatc 180
 caccaccctg gttcaagcga ttctcctgcc tcagcctccc gcgagctggg attacagggg 240
 tgcgccacca tgcttggtca atttttgtat ttttagtaga gatgggggtt caccatgttg 300
 gacagactgt tctogaactc ctgacctcaa gcaatctgcc tgctcaatc tccctaagtg 360
 ctgggattac aggtgtgagc caccatgccc agccaatgca ttttttaaag agacaacttt 420
 ttaatttatt caaaatgtct agctgaatgt tctaatacct tttactgaat aactattccc 480
 ccttgacttt gctacttttt attacatact gaatttttat attttcttg gttttatcct 540
 gaactctatc ctattccatt ggtttctatt cctataccat tatcacattg ttttaattac 600
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 gttgcccagt ctggagtgcg gtggcatgat gttggctcac 700

<210> 1375
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 1375
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 tggtttctat tctataacca ttatcacatt gttttaatta ctattgctca acaatatgct 120
 ttattactat tattattatt tttgagacag agtctagctc tgttgcccag tctggagtgc 180
 ggtggcatga tgttggtca ctgcaacctc cacctcccgg gttcaagcaa ttctcctacc 240
 tcagcctcct gagtagctgg gactacaggt gtgtgccacc atgccagct aatttttgta 300
 ttttttagtag agacaggggt tcaccatggt ggccaggatg gtctcgatct cttgacctca 360
 tgatccgcct gcctcagcct cccaaagtgt tgggattaca ggcattgtgcc accgcgcctg 420
 gcctattatt tatttatTTT ttttgagacg gagttttgct cttgttgccc aggctggagt 480
 gcagtgggtg gatctcagct cactgcaacc tctgcctcct gggccaagca gttctcctgc 540
 ctcagcctcc tgagtagctg ggattacatg tgactgccac cacaccagc taattttttg 600
 tatttttagt aaagatgagg tttcacta 628

<210> 1376
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 1376

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ggctctgact aaagaatatg acagatcaga tattcctctc cacctgctcc cctcccccat 60
cccttttttag agggctgggg aaatttttagt ttttaataca aggcctttatt tctccagttg 120
tgcaaaggaa ttttaactggg actttacaac tgaataaagt atttctcaga gtcgatacta 180
atcttagcaa gaggatattg cctaacccaa cctaaaagca gcagagtcac tacagaaata 240
ttatgtttggc cttgattttct accccaccat gagttatgct actcaccagg tagcctgttt 300
tgttttttcat ttttagagac aggggtctcac tctgtcaccc aggttggagt gcagtgtcac 360
aatcatagct tactatgacc tcaaactctt aggcctcaaat gatccacctc agcctcccaa 420
gtagctggga ccacaggtgt ctgccactac acttggctaa ttttttaatt ttttgtagag 480
ataggagctt gctaagttgc ccaggttggt ttggaactcc tggcttcaag cagtcctccc 540
gccttgggct cccaaagtgc tgaggttaca ggcgtgagcc actgtgccc gcatgtgccc 600
tgttttaagt gtatctcctg ctgtagtccg ttacatgtgc acatctcttc tgtgtttact 660
gtgtacctgc tctatgctga gaagaatgtc ttttcaaaac 700

```

<210> 1377

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1377

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cccagggttg tttggaactc ctggcttcaa gcagtcctcc cgccttgggc tcccaaagtg 60
ctgagggttac aggcgtgagc cactgtgccc agcatgtgcc ctgttttaag tgtatctcct 120
gctgtagtcc gttacatgtg cacatctctt ctgtgtttac tgtgtacctg ctctatgctg 180
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ggagaatgat tgcatagcac gctgagggct gtggtaaaag aggcctgaatg gtgagctgcc 300
aggtacggca tccttcctgt gcagctgaca tggctgctga cacatgtctg cctgaccaa 360
ggggcagaag aggccttctca ggggaagtcc tgtttgaggt cttcagcagt tcaacagctg 420
gggaaaggta ttccaggagc gagtgaagtt ggatgccatg tgcgttgggt gtgtgcttga 480
agtagagcaa acgggggtgga ggcaaatgag cctgaaaagg aaagagatgg gacaggatcc 540
tactgtggaa gagttttctg taagcagtgga gaagccacag aaggatttta agtgggccat 600
tcacattgtg ttttattttg agacagggct tcaactgtcac ccaggctgga gtacagtggc 660
atgatcaagg ctcaactgaag cctcaacctc ccaggctaaa 700

```

<210> 1378

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1378

```

aggcaaatga gcctgaaaag gaaagagatg ggacaggatc ctactgtgga agagttttct 60
gtaagcagtg ggaagccaca gaaggatttt aagtgggcca ttcacattgt gttttatttt 120
gagacagggg ctcaactgtc ccaggctgg agtacagtgg catgatcaag gctcactgaa 180
gcctcaacct ccaggctaa agcaatctc ctgcttcaac ctcccaatta gctgagagca 240
cagctgtgta aaaatttaatt tttttttttt tttgtagaga caggatgttg gccaggctgg 300
tctcgaactt ttgggttcaa gcgaagctcc catctcagtc tcccaaagtg ccgggattac 360
aggcgtgagc cactgcacct ggcctatttg tgttttagaa aaacaactgc tgggccgggt 420
gtggtggctc acccctgtaa tcccagcact ttgggaggtt gaggcaggtg gatcacgagg 480
tcaagagatt gagaccatcc tggccaacat ggtgaaaccc cgtctctact aaaaatacaa 540
aaaaatttac ctgggcgtgg tggcatgcac ctgtagtccc agctacttgg gaggctgagg 600
caggagaatc acttgaatcc cgggggcgga gattgcaggg agccgagatc gcaccactgc 660
actccagcct agtgacagag tgaaattctg tctcagaaaa 700

```

<210> 1379

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1379

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ctggccaaca tgggtgaaacc ccgtctctac taaaaatata aaaaaattta cctgggcgtg 60
gtggcatgca cctgtagtcc cagctacttg ggaggctgag gcaggagaat cacttgaatc 120
ccgggggcgg agattgcagg gagccgagat cgcaccactg cactccagcc tagtgacaga 180
gtgaaattct gtctcagaaa aacaaaacaa aacaaaaaga aacaactgct ggagagtgtg 240
tgaaggatta gagggagcaa gacgggatgc tggttgggat ggtggttggg agagcagatg 300
ctatacacac ctgtgtcccg gaggtggaaa gggtcacag ccagaggagt aaccgccctc 360
tcttctcagc tgttttgctt gcaactcgtg ttggtataaa ctgagggagc aaatgtgtgt 420
cctcttattc acgttgcccta gtaagtaccc aggtgtgcag tgagcataca aaacatcaaa 480
acataatttc gtttggtgta actctggcta atcagaaact agaaggaaca gacagcttag 540
agacttaaaag ttggactagg aagaagttga caggatggat tagaagatag ccactttagg 600
ctgggtacag tggctcatgc ctgtaatccc agcactttgg gaggccgagg tgggtggatc 660
acctgaggtc aggagttcaa gaccagcctg gccaacacag 700

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<210> 1380

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1380

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aactctggct aatcagaaac tagaaggaac agacagctta gagacttaaa gttggactag 60
gaagaagttg acaggatgga ttagaagata gccactttag gctgggtaca gtggctcatg 120
cctgtaatcc cagcactttg ggaggccgag gtgggtggat cacctgaggt caggagtcca 180
agaccagcct ggccaacaca gtgaaacccc atctctacta ataatacaaa aaaatgaggc 240
aggtgtgggtg gcaggcacct gtaatcccag ctactcagga ggctgaggca ggagaatngc 300
ttgaanctgg gaggtggagg ttgcagttag ccaagatcnn gccantgcac tcnagcctgg 360
gngncagagc gagantctgt ntnannaaaa aaaaaaaaaa aaaaaaaaaa annncaacac 420
tttagagagc caaggagagg gtgtctgggt acttagggca aaagcccagt tgaggaaacg 480
ctgggcgtga cagctaactg gggatttttag tactccacct gggaatggaa ctcaaacttg 540
agctaataaa ttgaatctag aaatcagccc caaggctaga gaaagtgcct gccttgctcc 600
tagtggaagc tactagaaac tgagaagcca accctgtgtg tcataggcca ggctgtgcct 660
agctccataa ggaagctctg cgttgtgtct agccttgaga 700

```

<210> 1381

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1381

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ggggatttta gtactccacc tgggaatgga actcaaactt gagctaataa attgaatcta 60
gaaatcagcc ccaaggctag agaaagtgcc tgccttgctc ctagtggaag ctactagaaa 120
ctgagaagcc aaccctgtgt gtcataggcc aggctgtgcc tagctccata aggaagctct 180
gcgttgtgtc tagccttgag attcccattc ttagataatg tgggcaccct gagattatgt 240
gaaggagggc agagaaaaac caagagcagg gtcaatgaca tggacagcaa caagcagagc 300
ccccttggca tttgtaacag aggtgaccct ttgtaactgt agcccaacaa tgtttccata 360
aaagacagcc atagatttga gccaaatcat tttttgatcc atttttccaa taaataatta 420
ttaccoccta gatgccagtt acagatagtt tattcattgg caaaagggtg aggtatgata 480
gccaggaggg aaagggttcag acttactgtc aatgtcatat tccacacaca gacaaaaggc 540
atgtcccatg aagcaggcac gggctgtggc tgagtttgct acataaatgt gctcagatga 600
caagcatctt aacttttact taatcctgaa ggtttttcac cctctgtttt ttgttttgtt 660
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```

<210> 1382

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 1382
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 cgggctgtgg ctgagtttgc tacataaatg tgctcagatg acaagcatct taactttcac 120
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 atctcgctct gccgcccagg ctggagtgca atggcacgat cttggctcac tgcaacctcc 240
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 ccaggtcgtt cttgaactcc tgacctaaagg tgatccgcct gcttcagtct cccaaagtgc 420
 tggaattaca ggcgtagacc actgcgcccg gcctcaccca ctgtttttat aagtatcccc 480
 ctcaatttgt gttctcattg tcttcggaaa ttcaaaggct tgttgttgtt gcatgtttgc 540
 atccagagtc caggactgcc tgactgggag taaatggaaa tgtgagttgc atcttgcccta 600
 atgaagctta tgtgatgaca gacctgctta gagtctgcat gtgtcctttc catggcgtgc 660
 tctaaatctt cctactttcc tttaccatcc tgtcctcata 700

<210> 1383
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1383
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 ctgactggga gtaaatggaa atgtgagttg catcttgccct aatgaagctt atgtgatgac 120
 agacctgctt agagtctgca tgtgtccttt ccatggcgtg ctctaaatct tcctactttc 180
 ctttaccatc ctgtcctcat atacaaactg taaccacta cccatctcct gtggcagact 240
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 atttacagta tgtgtcttct ccggttggcc tgaggagcct ccatgactct catagctatt 360
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 tttgggtgaa ttttagtact catattaatt ttgtcacatc tctgtaagcg aggatgaaaa 540
 gagagtgttc aatcactggt actagatcca tattcttaca gagaacaagt cttcaaaagg 600
 caagtgttga tgacacttgg gtttttttcc cccttttaat ttctttttaa taacagcttt 660
 attgagatag aattcaccta ctacgaaatt tatcctttta 700

<210> 1384
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1384
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 gggttttttc cccctttttaa tttctttttaa ataacagctt tattgagata gaattcacct 180
 actacgaaat ttatcctttt aaagtgtacg agtcagtgtt ttttagtatg ttcatagaat 240
 tgtgcaacca tcaccattat ctaatatccg aacattttca tcacccctga aagaaacccc 300
 acccccatc atcagtcact ccccatgcct ccacaccgcg ctcccaccca cagcctgtag 360
 caatcaatat tctatttttg cctctgtgga ttctcctgtt ctgaataatt catatcagta 420
 gaatcatacc atatgtggtc ttctgcattt ggcttctttc ccgtcacata ctgtttccaa 480
 gggttcaccc gggtgtggcc tctgtcagta cttcatttct ttttattgac aaataatatg 540
 ccattgtatg gatatgccac tttttgttta tccatcagtt gattgacatt ttgggtgctt 600
 ctactttttt ttttttttct ttgagacagg gtcttattct gtcgctcagg ctggagtaca 660
 gcagcgcagt catagctcat tgtagcctca acctcccagg 700

<210> 1385
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1385

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ctctgtcagt acttcatttc tttttattga caaataatat gccattgtat ggatatgcca 60
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tttgagacag ggtcttattc tgtegtcag gctggagtac agcagcgcag tcatagctca 180
ttgtagcctc aacctcccag gcttgagcca tctctccacc tcagcctctc cagtagctgg 240
gactacaggc atgtgccacc atgtcagct agttttttgt agagacaggg ttttgccttg 300
ttgcccaggc tgggtcttgaa ctctggcct caagtgatcc tctgcctcg gcctcccaaa 360
gtgctgggat tacagggtgtg aaccactgct cccagccact tctacttttt tgctattatg 420
aataatgttg ctatgaacat ttgtgtagag gtttttgtgt ggacatgtgt tcctagttcc 480
cttggggtata tacctaggat tgggaattgct ggatcgtaaa ctattttatc cttttgagga 540
actgccaaatt gttttccaaa gtgactacac cttttttcaa tccctccagc aatgtaggag 600
ggttccaaatt tttctacatc ttcaccaaca gttattgtct tttaaatgtt atttctttaa 660
tgaaaaaact tcatttatgc acataacaca cacacacaca 700

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<210> 1386

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1386

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ttggaattgc tggatcgtaa actattttat ctttttgagg aactgccaat tgttttccaa 60
agtgactaca ccatttttca atcactccag caatgtagga gggttccaat ttttctacat 120
cttcaccaac agttattgtc ttttaaattgt tatttcttta atgaaaaaac ttcatttatg 180
cacataacac acacacacac acacacacac acacacacac acacacacac acacacacac 240
acacacacac acacacacac acacacagac ttataatgga aagccgaaag tctccagccc 300
tgtttcaccc ctcttagtc caagtcccat tcccagcaaa ccattctcca tttttatttt 360
tagtttttcc agtgactatc attataattc caaagattgc ttgattcatt atttttctt 420
ctctttttat tatgaaaact ttcaattatg tataaaagga gaatagtata accaaccccc 480
tgtacacatc cccagctgca acaactgtca acccatgacc acttttacc actgtttttt 540
gctttatcag tgttagatgt catacattga tttccctatt gaagaaagag aatttaccta 600
attctatcac ttccaaattt ttatagtaaa ttatttttag ttcttctatt acctttgtga 660
ttttgataaa tccctaaacc ttgtgttctt gttccatcca 700

```

<210> 1387

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1387

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aacaactgtc aacctatgac cacttttacc cactgttttt tgctttatca gtgttagatg 60
tcatacattg atttccctat tgaagaaaga gaatttacct aattctatca cttccaaatt 120
tttatagtaa attattttta gttcttctat tacctttgtg attttgataa atccctaaac 180
cttgtgttct tgttccatcc actgtgcaca gtgttattta actgccctct tgtccatgca 240
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gctatagctc ttatattatt cagtggatag caatttatag tctgttctcc aaccatcatc 360
aagtcttctg tgccttgtct attggttggt tctaagactt gagaatcaag agaatttaca 420
ttattatgac tttaaatata gttcactgta gagccatatg gtgtactgag gattacttct 480
tttttctgta gactcagtat aacaatcctt gtgccaatgg gggaagaacg ttttagacat 540
ccagttgata ctttttctgt tcagaaatat atggtaatcc atagcactct tggacccaag 600
gtgtcttatt tacatcttgt atggccttgt gttctttaat tatcttgtgt gttatgtccc 660
taactcgaga ggaacccct cgagggggaa gtggtctttc 700

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<210> 1388

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1388

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taacaatcct tgtgccaatg ggggaagaac gttttagaca tccagttgat acctttttctg 60
ttcagaaata tatggtaatc catagcactc ttggacccaa ggtgtcttat ttacatcttg 120
tatggccttg tgttcttttaa ttatcttctg tgttatgtcc ctaactcgag aggggaacccc 180
tcgaggggga agtgggtcttt cctgttttgc tcccatagca tttatagtct cttgggtaaac 240
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tacattaaat gccattgctg ttagattcta tatatacttt attttatgat gagttataaa 360
tatataaata cttaaannat aaagctatca aaaactcata aattaaaata ttcagctcga 420
acactttgaa tatttctctc tcatgatcgt ctttagcctt tccaagaagt ttccaacgt 480
actctggttg gcttccttca caggacagga attctgcaaa anaaacattt cattagcttg 540
cattggtaag catttgtctt gcctgcctgt ctacttgatc aagcctactg tggcacttgt 600
cacctgaaca cttataaaac caaggcctcc agtctagcct gactgggagt tgtctctatc 660
actaggccag caggttttgc ctattttggg tgcatactac 700

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<210> 1389

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1389

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acaggacagg aattctgcaa aanaaacatt tcattagctt gcattggtaa gcatttgtct 60
tgctgcctg tctacttgat caagcctact gtggcacttg tcacctgaac acttataaaa 120
ccaaggcctc cagtctagcc tgactgggag ttgtctctat cactaggcca gcaggttttg 180
cctattttgg gtgcatacta cttacacttc tagaaatggg tactgtatac cattacctat 240
ctgcttttgg ggtgggtggc gcggggggga gtgcagtctc tggagagggtg tgtcacagct 300
aggtgcttgc tcagaggggtg gaacttgaag atgctggctc agacctgccc ggtgctctac 360
tgggccttct gcatgactgc ctggactgct gagagagatt cagtcagtgt gccctcctgt 420
gccattaaac agcagcaccg agcacagca gccctaaagg tgggaaggat tccagatgct 480
acccccaggc cactgcttca gtttgaatct cagctctacc atttattaat tgtattgctt 540
aggatgtact acttaattta taaaagcttc agtttctttt gttaaagtgg gacaattggt 600
tgctacttgg cctgcttcat aagataatgg agagaattaa aagagagaac atgtgttgtg 660
ccaagttcct atcccatgac ctatcccat gtctacaagg 700

```

<210> 1390

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1390

```

agtttgaatc tcagctctac catttattaa ttgtattgct taggatgtac tacttaattt 60
ataaaagctt cagtttcttt tgtaaagttg ggacaattgt ttgcctactt gcctgcttca 120
taagataatg gagagaatta aaagagagaa catgtgttgt gccagttcc tatcccatga 180
cctatcccat tgtctacaag gtgataggcc cagagagggg atacatgtcc ttgttctcct 240
ctaaagccaa ttaattcctc cactcgatat tagataacat ccactctggg ctacaaggac 300
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ccattcccc aggtgcatta acatgctggg tataccccca accttaaaag agcttccctc 420
actccataac caccctgcag ctgtgggtca gtttctctgc agccttatag ctaaacatct 480
tcaaagagtg ttctgccctc actgttcctt ctttgtctcc tctcgccacc ctatcctcgg 540
tgagccact ccagctgggc tttccttcct gcctctccat ttacatcagc ctcacccatg 600
gcctccatca gccaaaccca ggggcctttc ttggtcctca cctgacctgt cctttcagta 660
catttgacac agtcaaccct cctccttga gtgtcctcaa 700

```

<210> 1391
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1391
 cactgttcct tctttgtctc ctctcgccac cctatcctcg gtgagccac tccagctggg 60
 ctttccttcc tgcctctcca ttacatcag cctcacccat ggctccatc agccaaaccc 120
 aggggccttt cttggctcct acctgacctg tcctttcagt acatttgaca cagtcaaccc 180
 tccctccttg agtgtcctca acggcttcct ggggtaccgc ccactctcca gtgttctcct 240
 gcctcaactgg tcaactcctc tcaggcccc tggtggatc ctctctcct gacctccatg 300
 tgttgatctc aggtcagtc ctttgatctc tccctttctg tcattcagat tttcagcagt 360
 atctatctaa ggactctcct ttttgatttg caagttctga cctctcccct aagttccaga 420
 cttttctaac catcttctca acaccttcac ttggctatcc aagagccacc ttacatgtac 480
 gatgtacaaa attgaactct tgatcttctg ctgaacctcc agcctgcct tggcgcagt 540
 ctttcctctc tctgtaaaca gtactgacca tcgccagagg ggtttgggca ggaacaaaga 600
 ggtcatcttt tccctccctg tatcttacc cctacaaccg atctgtcagc aaatccttct 660
 ggttttattt ttagtcatat cccaaatctg ttcacctcaa 700

<210> 1392
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1392
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 agtactgacc atcgccagag gggtttgggc aggaacaaag aggtcatctt ttcctcccct 120
 gtatcttacc cctacaacc gatctgtcag caaatccttc tggttttatt tttagtacata 180
 tcccaaactc gttaacctca actgtcccca ttctgtccac gccaccatca tctctagcct 240
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 tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttca ttctgtccac 360
 gccaccatca tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttct 420
 atgctttccc cctttcagcc tatttaccac acagtagcca gactgaccct tttaaatcac 480
 gtaaatcaga ttgtacagtc tttgtcctgc ccaaagctct gcaggtgttc cctgccatac 540
 tcgtggtgga atctaaaggc cttgtgtgat ctgctgtcct ggaaactacc cctcactcac 600
 tctgatccag ccacactggc cttcctactg gtctttaaat acaggaagtt agttcatttc 660
 catcctaagg cctttgcata cctcctcctt ctgcctggaa 700

<210> 1393
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1393
 ctttgtcctg cccaaagctc tgcagggtgt ccttgccata ctctggtggtg aatctaaagg 60
 ccttgtgtga tctgtgtcc tggaaactac cctcactca ctctgatcca gccacactgg 120
 ccttcctact ggtctttaaa tacaggaagt tagttcattt ccacctaag gcctttgcat 180
 acctcctcct tctgcctgga atggtctccc tagttagtca tgtggcctgc tccctcaatt 240
 caaatatctg ctcagataat gtcaccagct cctaagtcag cccctcccc catgactctt 300
 atgttcttta tttctatgtt tttctttgta gcacgtatca ctgctggcca tcattttaca 360
 tgtttgtttt tctaactctc ccattagaac attccatgag aacagggact cggcctgcgt 420
 gtcttttagtg acacgtcctc agcacctaga accacacca gcacttgagg aacttcagca 480
 aatacttatt gaatgagtg atgaatgaat gggttgacca aggggtgctgc agctcccaag 540
 gagtgttttag aagtgaggct gctgtccacc aggagccacg cggccggctt gccaggaata 600
 cagtgcagct taccaagccc gccaggcccc agaggttcct gtcgagccgt ttcaggaatc 660
 ggatcagctg cttgtgcctg tggaaactgt gtgcagtcgc 700

<210> 1394
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1394
 aatgaatgaa tgggttgacc aagggtgctg cagctcccaa ggagtgttta gaagtgaggc 60
 tgctgtccac caggagccac gcggccggct tgccaggaat acagtgcagc ttaccaagcc 120
 cgccaggccc cagaggttcc tgtcgagccg tttcaggaat cggatcagct gcttgtgcct 180
 gtggaactgc tgtgcagtcg caccagggca gcgagtgtcc ttctcatggg ggctgtagaa 240
 ctgccggagc acagtcgcag ccctgcagaa ggtttccttc tcagttgtgt tctggaaaga 300
 caaatgccac agatagcaat gtgccagctc catttgaggg atgggagaga gatttttctt 360
 cttgatttct tctttccagg aggacaaatg gaggtgagtt tgctcaacta cagacctgtc 420
 ttcaagtatt ccactgaagg aaggctgctt gccacagaca taaacctctg tcaacaacct 480
 ctcccaattg caaacgcagc agccttctcc ccagaacctc ccagtttctt ttctcttgga 540
 ggattttgcc gaaaggttac ctgaataaag tcatcccatg aggaaaaggc acagtgggga 600
 ctagaatgca ggaccatctg tcgtacacgc ccacgttctg cgtccgtgtc tctataacct 660
 atgagctatt ctgctatgaa aagtgtccac atgagctctc 700

<210> 1395
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1395
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 cctgaataaaa gtcattcccat gaggaaaagg cacagtgggg actagaatgc aggaccatct 120
 gtcgtacacg cccacgttct gcgtccgtgt ctctataacct catgagctat tctgctatga 180
 aaagtgccca catgagctct cagtcagggt ctgctcttgt tcccagaggg tttaaaatcc 240
 agctttccct ggaaatcctg catgcctgtt gaataaatga gtgcacatcc tttggcctga 300
 actctgctgc tttggccagc actctccgtg tggctctccc catgggagag gagagcagca 360
 catggcccaa gtgaggagct aagacatttt gccaggcagc aagagataag tgcacagatc 420
 agggaaagggt gtcctgggag atcagaggag gctctgggag cagggtgccat tgatctgagc 480
 cttgggcaga gcttctgtaa ggggcctttt ggcccaaat gatgcggagt gagaatctcc 540
 ttggaatgcc agcaactgtg agggctctggc cacatggctc ttcttggggg cccttagcct 600
 tagagaaggg aatggacaag agacaagtca ttgggaacctc aggagagggga ttgtgtctca 660
 gtctgaacct ggcctggtgt gtcctctcat ttttactga 700

<210> 1396
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1396
 aggggccttt tggcccaaaa tgatgcggag tgagaatctc cttggaatgc cagcaactgt 60
 gagggctctg ccacatggct cttcttgggg gcccttagcc ttagagaagg gaatggacaa 120
 gagacaagtc attgggaacc caggagaggg attgtgtctc agtctgaacc tggcctgggtg 180
 tgtcctctca tttttcactg aagaacaaag atgcagaacc tggagagggg tcttagcttg 240
 agccagttc ctttatccag ttcagataaa gaaagctatc cccagcctct ccccgacat 300
 gctctggtcc cttgatactc aaagtgtggt ccatggacca gcagcatgga catcactggg 360
 agcttcttag aaatacagaa tctcagacca cccctgcccc acccagacct tctgaatcag 420
 aagaacagtg acaagatgct caggggtttc tatcagcagc gctgtccaag cagctttcaa 480
 gttctttacat attttttttt ctgatgatca agataacata tatttactat aaaggtaaca 540
 tatattcaac aaaaatacat tcaactcatc caccagccag aggtaactat tgctgttaat 600
 attttggtaa atatcgtaac acttttataa atacttttta aaataggggt caactgttga 660
 tactgttttg taacttcttt actctttaca tataccataa 700

<210> 1397
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1397

```

tctgatgatc aagataacat atattttacta taaaggtaac atatattcaa caaaaataca 60
ttcactcatc ccaccagcca gaggttaacta ttgctgttaa tatttttggt aatatcgta 120
cactttttaa aatactttttt aaaatagggg tcaactgttg atactgtttt gtaacttctt 180
tactctttac atataccata agcattttcct aagcccttcg gtggtattag agaacatggg 240
attgagagct gcgtagaaac gcattgcaca gtggtactgt catttgtcag gccctatcg 300
tggcagatct ttgcttctgt aaataagcgg cagttagtaa actatagaaa tctttgtgtt 360
catctcttat ttatgtaggc taaattctag gaatgcagtt catattttta cgttttttca 420
ggaaagtcta gaccagact gaggcaccag aatcccaggc tacagaagct tcccctttcc 480
cctgtggggc gtgatgtccc atgggcagag cgggttagaaa gacatttact taatgaactg 540
actgagagtc actcctcggt cctgattcta gttggaaatg taagagtgtg tcagtatctt 600
tgggctctgg gggccaagaa acagacctct ctgggctttg taggcgagtc gaggtggaag 660
ggacacgggc tgatgggggg cggcagatgg tgccctgtgtg 700

```

<210> 1398

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1398

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catgggcaga gcggttagaa agacattttac ttaatgaact gactgagagt cactcctcgt 60
tcctgattct agttggaaat gtaagagtgt gtcagtatct ttgggctctg ggggccaaga 120
aacagacctc tctgggcttt gttaggcgagt cgagggtgaa gggacacggg ctgatggggg 180
gcggcagatg gtgcctgtgt gtctggaggt gggcagacat gcatgctgct gcagagggaa 240
cagttagatt caagaaaacc aaaaagtcag ccctttgctt cttttaccac aaaccttggt 300
gagatttttc tgaaacgctg gcttggagcc tggaaattaa acttaatttt gaccctgata 360
tggccacata gtataggaaa aaaccctcta aagatatttt tgaaaggact ttctaaagga 420
aacaaggata aaataagaat tgaaaagagt ctgcattaaa tggaaaaact ttaaaagaat 480
gcacctaag ggcagcttta gtgcaaggcc ttaacgtttt agttgctctg gtatcgagc 540
gagggggcga cactccatcc ctgccgtggc cctggactcc taccacctgc ctgtctagct 600
ctggctgctg agtgtgtctg ccagtggctc agggagtgca cttggacagc ctggctgacc 660
tcacagttca gaactgctta gggagtgtgact cagaaggagg 700

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<210> 1399

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1399

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agtgaaggc cttaacgttt tagttgctct ggtatcgag cgagggggcg acactccatc 60
cctgccgtgg ccctggactc ctaccacctg cctgtctagc tctggctgct gagtgtgtct 120
gccagtggct caggagtgct acttggacag cctggctgac ctcacagttc agaactgctt 180
agggagtgtg tcagaaggag gcctgtccct cccgggaatg tcaggaaaca gccacttggg 240
agatttcttc tgtggcagtg actctgtgag agttctaact cggttcttga ccagcctcac 300
tgaggaccat ataaatccag cccgattggc actgcattca ttatctccca tcctgccag 360
gatagtcagc tagtgctgta tatgagaaac tccttcaaaa aacagaggta tttgaggttc 420
attatggaac tctctgtaga attatgaact ttagctctct ttggtaaata ggaaatngct 480
ccaactactt gtccacccaa gaaaccttc atcagccagc cagcttgctt cttcccactt 540
tgctgttcct cagacagcct tgacttcata gacacctga caggtgttac ctgtgaagcc 600
caggacctag accagtgcct tctttccagc aactgccaa agtagaatgc taccctactt 660
agagatacta aaattcttgt tccccgaag aaataaaatc 700

```

<210> 1400

<211> 700

<212> DNA
 <213> Homo sapiens

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<400> 1400
agaaaccctt catcagccag ccagcttgct tcttcccact ttgctgttcc tcagacagcc 60
ttgacttcat agacaccctg acaggtgtta cctgtgaagc ccaggaccta gaccagtgcc 120
ttctttccag caactgccaa gagtagaatg ctacccaact tagagatact aaaattcttg 180
ttcccccgaa gaaataaaat caataggctg gattttggaa agatgttttc tttgggaaca 240
caaagaagta ctttttcctc tgcataccac cttttagagt ttttgaaaat agcaacattt 300
cactgttctg aaatatctta acatgtaagt aagcagtgcg gaatcttcga ggggaagaaa 360
agagtgaaga gtgagatcgt gaactccagg aggatgaagt tcaggggagg caaatgagac 420
gggtaagagt gaaggcaggc agtggggatt attctaggag atgtttgtgt gtgtgagagg 480
gaggtgagtg aggactgagt gaagagggga gttaaggacg ggagggcagc agtgtcctgg 540
cctgcacccg ggggtcttcc agaaacagcc cagatggatt gcccagact cggcatcctg 600
gatggtttga tcctttccaa cccggtcccc tccttcttag aatcatcgct tctctgcacc 660
tgttcttgct tttaatcgtg gttatatcat ctcacaataa 700
```

<210> 1401
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1401
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cagaaacagc ccagatggat tgccccagac tcggcatcct ggatggtttg atcctttcca 120
acccggtccc ctcttcttta gaatcatcgc ttctctgcac ctgttcttgc ttttaatcgt 180
ggttatatca ttcacaata acactttgca ctaactcaag agctggattc caatcaacct 240
tgcaatcacc ttcagaatca ctttcatatc ttcacatgtg gaaactgagg tgcagagagg 300
tgtgaagatg tgctgaaggc cagccacaca gctagtcagt ggcagagctg ggtctaaaac 360
cacaggcagt cttacctcca ggcctcagc cctcaccctt cctccaggcc tggcttctag 420
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gacccagtgc tcaaccggg ggactcttgg cttctagtag gagccatctc ggttggatgg 540
acttgagatg tttatacaca cacacacaca cacacacaca canananata canananata 600
natacanaca nanatatana nacacacana nanananana cacacacaca cacacacaca 660
cataaactgt tgcccagggt cagtgggctaa tcccagcact 700
```

<210> 1402
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1402
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acacacacac acacacacac acanananat acanananat anatacanac ananatatan 120
anacacacan ananananan acacacacac acacacacac acataaaactg ttgccagggt 180
gcagtggcta atcccagcac tttgagaggc cgaggtggac ggattgcttg agcccagaag 240
ttcgagacaa gcctgggcaa aatggcaaga ctccatctct acaaaaaaat acaaaaatta 300
gccaggcgtg gtggtgcaca cctgtcgtcc cggctacttg ggaggctgag gtaggaagat 360
agcttgagcc tgggaggttg aggctgctat gagctgaaat cgcaccactg cactccagcc 420
```

```

tgggtgacag aacaagacct tatctcaaaa aaaaaaaaaa gtgtgtatatt gcccttcaga 480
atctcatcct gtatcggact cccgggataa ctaatgaaat gagatagtcc agctaaaggc 540
ccgaagagca gtttccttca tgaagcagga tgggccctgt tctatggtct gggtgctgga 600
gtgtgacct gcccaacaca cagggttca ctccctggcca tatcatctcc ctagtttgca 660
tggaaagcag gtagttagga gaccactgtg aaattgaggc 700

```

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<210> 1403
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 1403
tccccgggata actaatgaaa tgagatagtc cagctaaagg cccgaagagc agtttccctc 60
atgaagcagg atgggccctg ttctatgggc tgggtgctgg agtgtgacct tgcccaacac 120
acagggtctt actcctggcc atatcatctc ctagttttgc atggaaagca ggtagttagg 180
agaccactgt gaaattgagg ctttggggct ttcattctca gccgtgtgtt tccatgaaaa 240
caggaactga aatgcacaaa actattgata cggctgtagt catgtgtttg tcagagaaaa 300
tgcactatca gctgtcaaat ctatctcctc ccactacaga tagaggggtg ggggtgaggc 360
agcacaggag gcagagaggc gaggtgcccc ggcagcccga agcagggatg tgctggacgc 420
tgcccagcag gatgggtcca gaccgagctg gaggggagtt cggccggcca gagcaagctg 480
aggagctctg gacggcgagc cccggaaccc agagggtgt taggtggcca ggctgtggaa 540
gaggaggggc tctggcgata ccttttctgt tgccatagga agtctcttag acaaaatgaa 600
agctccctca acctgtcatc tcaatatctg tttctgtgag agtatttggt ttttcagaaa 660
tgtatggggc agaaaaattc tctcattcaa caggcattta 700

```

```

<210> 1404
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1404
ccccggaacc cagagggctg ttaggtggcc aggtgtgga agaggagggg ctctggcgat 60
accttttctg ttgcatagg aagtctctta gacaaaatga aagctccctc aacctgtcat 120
ctcaatatct gtttctgtga gagtatttgg tttttcagaa atgtatgggc cagaaaaatt 180
ctctcattca acaggcattt attgagtgcc tcctacgttc caggcactat gccaaagcta 240
agtaaaaccc aagagggtt ttctttgacc aggatctgag tcaggactac agcatgtaag 300
ctttctatta catgtcttct aaatcaagtg aaaccagaaa gacaaaaaca tgcttaagag 360
taaagatcag acttctcgtt ctttgaaaac atctaaccac ttagagttaa tttgggcccg 420
ctcgttttcc attagacaag tttcttggtc agacatttgg ggatggatcn cccatttgc 480
taaaacagac cgtgggacgg cttcttacct tggaggcagc aaagatgtct gttacggtca 540
actcgggtgca cagagtcttg gtccaggcag aaatgagaga gcaagagaca gagttaacct 600
ccaaccggac agagaagtcc ttgatgagca gctctcactc cctccaactg aggaaacttc 660
ctacaaaccc tcagaaaaaa gagtggcagg ggagaagcct 700

```

```

<210> 1405
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

<400> 1405

```

gcttcttacc ttggaggcag caaagatgtc tgttacgggc aactcgggtgc acagagtctt 60
gggtccaggca gaaatgagag agcaagagac agagttaacc tccaaccgga cagagaagtc 120
cttgatgagc agctctcact ccctccaact gaggaaactt cctacaaacc ctcagaaaaa 180
agagtggcag gggagaagcc tcgctgtgtg ccctggactg ccaccaacca ccagttccaa 240
cttctctagc agctgttaac gttttcatgc ctgaaatac tgagagcatc accagaacat 300
ctggagagat ggtgccagat aggtactcac cttctgctct gtgaggctgt tcaaagtttt 360
gatgatctcc tgtaagggtga tatcgcaact gtgtccgtgg acaaagttgc cggcacatgc 420
tagcaggaag aacagagggg gaagcagttg ggagngaga cccattaata ggtgtcgatt 480
tgcagtgaca atgtgagnca attagtttat caggagaagc taacgatnca atgctgacaa 540
agatatctct atatatagat ttaaaattgc tgaaaccgag ggaaaatgag ttacattgg 600
aaattttcgt tacaccagat tgtcagtcac ttggggccaa tcagcacctc tcttcaggga 660
gaaaaaatgc ctcacaaaca ggtaaaatgt tcctgtgaaa 700

```

<210> 1406

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1406

```

aattagttta tcaggagaag ctaacgatnc aatgctgaca aagatatctc tatatataga 60
tttaaaattg ctgaaaccga gggaaaatga gtttacattg gaaattttcg ttaccaccaga 120
ttgtcagtcg cttggggcca atcagcacct ctcttcagg agaaaaaatg cctcacaac 180
aggtaaaatg ttctgtgaa atcagaccaa taggaaaatg aaacctttt aaaaaattaa 240
ctacaaagtt tcagcatagg aaattacacc ataatttgct ctttagatta atcttatcag 300
cttggggctg ctgctggctt tttgctttgc atagaaggga gaggccacag gtgtccgaat 360
ttgttgtaat gcagtcctcc tggggaaaga tagagtaata tcaagaaagt tttacttgaa 420
aagtatttta acctggcttc ttccaagtac aggtggcatc ttggaaactg tcctgtcatg 480
gaaaagctga tctggggctc cttctctgca tagaggcaga ataacaggca gactctccta 540
ccccagcact ggggnacaat gttctcccaa gtttaggtgt ttgagaagg acaggctcga 600
tcagggtgag cctagtttg gtcccagcag gtccataagg tccttaccga taaggaagcc 660
cttggcaagg taggtctatt ctgaggtttc aggaatgact 700

```

<210> 1407

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1407

```

ccttctctgc atagaggcag aataacaggc agactctcct accccagcac tggggnacaa 60
tggtctccca agtttaggtg ttttgagaag gacaggctgt atcagggtgag gcctagtttg 120
gggtcccagca ggtccataag gtccttacc ataaggaagc cttgggaag gtagggtctat 180
tctgaggttt caggaatgac ttttttttt tttttctga gacagggtct cactctgtca 240
cccaggctga aatgcaatgt tgtgatcagg gatcactgca gcctcaacct cccaggctca 300
agtgatcctc ccacctcagc cccctagca gtagggtgcgt gccaccgcac catgcctggc 360
tcatttttat tttattttt tgatagagat aagagtctca ctatgttgcc taggctcatc 420
tcaaattcct gggctcaagt gatcctcta cctcagctct ccaaagctct gagattacag 480
gtgtgagcca ccatgcctgg ccaggaatgc ccactttttg aatggaacct aaacacatcc 540
tcagctaatt agggaaaaga gctacagtct taccaactta caaatcagcc ctctagtca 600

```

```
gtgccccacc acccgccctg cttgtttttt attgaattca tgtggacaca ataaggtgct 660
cattgcctca ccccagcagt gaacgtaagg accccaccac 700
```

<210> 1408
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1408
gccaggaatg cccacttttt gaatggaacc taaacacatc ctcagctaata taggaaaaag 60
agctacagtc ttaccaactt acaaatacag cctcctagtc agtgccccac caccgcct 120
gcttggtttt tattgaattc atgtggacac aataagggtg tcattgcctc acccagcag 180
tgaacgtaag gacccacca ctcactcagg tgccctgggc ctgtgcaagg cccccacc 240
tcccagtaag ggctcatggg cagcaggatt cttgggcccc gcctgcccc tgcttttctc 300
ccagaacctt ccttccctt ggtctctgac cttcttttcc ctatgaattt ctttttttt 360
ttttttttt tgagatggaa tcttgctctg tccccaggc tggagtgcag tggcgtgatc 420
ttagttcact gcaagctccg cctcctgggt tcatgccgtt ctcctgcctc agcctccccg 480
agtagctggg actacaggca cctgccacca cgcccggtta attttttcta ttttttagtag 540
agacgggggt tcacctgtt agccaggatg gtctccatct cctgacctcg tgatccgcct 600
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc actgtgcctg ggcctcccta 660
tgaatttatt ctggaagatc atctaaaaat gtgtgttgct 700
```

<210> 1409
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1409
acctgccacc acgcccgggt aattttttgt attttttagta gagacgggggt ttcaccgtgt 60
tagccaggat ggtctccatc tcctgacctc gtgatccgcc tgctcggcc tcccaaagt 120
ctgggattac aggcgtgagc cactgtgcct gggcctccct atgaatttat tctggaagat 180
catctaaaaa tgtgtgttgc taagggtttg cctctgttcc acttccccgc cccccctca 240
ccacccccctg cccccatact ctgtcaccca ggctggagtg cagtggtgat catagcttac 300
tgtagccttg atctcctggg ctcaaggcat tctccagcct cagcttcccg agtagctggg 360
attacaggca catgccacca cgctgggcta atttctgtat tttttttttt ttttttagtag 420
agatgggggt tcacctgtt ggctaggctg gtgtcgaaact cctggcctca aaatgatcca 480
ccacacctcag cctcccaaaag tgctgggatt ataggcgtga accacatgc ccggccaagg 540
ttttgcctct gttttggatc ttttcttccc ttattattat tattattaaa ttgacaaata 600
agtattgcac atatttgtgc tgtatgatat aatgttttga aatgtgcatg ttatggaatt 660
gctacatcaa gctacttata caatacttca catatttatt 700
```

<210> 1410
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1410
gtgctgggat tataggcgtg aaccaccatg cccggccaag gttttgcctc tgttttggat 60
cttttcttcc cttattatta ttattattaa attgacaaat aagtattgca catatttgtg 120
ctgtatgata taatgttttg aaatgtgcat gttatggaat tgctacatca agctacttat 180
acaatacttc acatatttat ttttggttaag aacatttaaa atctactctg tgatttattt 240
atttattttg agatagagtc ttgctctgtt gccagactg gagtgcaatg gcgcagtctc 300
agctcactgc aacctctgcc tcctgagctc aagcaattct cctgcctcag cctcccagag 360
agctggggatt acagggtgcct gccaccacgc ccagctaat tttgtatttt taatagagac 420
agggttttac catgttggcc aggtggtct cgaactcctg acctcaggtg atctaccac 480
ctcagcccc gcaaagtgtc gggattacag gtgtgagcca ctgcgcctgg cctgtcttca 540
tgatttttaa gtatacaaga cattgatata aactgttgct accatgtcgt acaatggctc 600
tctttaactt aactcctccc agttgaaatt ttatatcctt tgaccaacat cttcctgatc 660
accaccctcc cagccccctg tgaccatcat cctactctct 700
```

<210> 1411
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1411
tgggattaca ggtgtgagcc actgcgcctg gcctgtcttc atgattttta agtatacaag 60
acattgatat caactgttgt caccatgtcg tacaatggct ctctttaact taactcctcc 120
cagttgaaat tttatatcct ttgaccaaca tcttcctgat caccaccctc ccagccccctg 180
gtgaccatca tctactctc tgcctccctg agtttggtct ttttatattt cacatatgcg 240
tgagatcatg tggatattgt ctgtctgtgc ctggattttt tcacttagca taatgtcctc 300
caggttcatc catgttggtg tgaatgacag cgtttccttc ttttttaagg ctgtatagta 360
ttccactgtc tatatatagt ttggatctt atcgagtgcc ctcaagttct gtgaaggaga 420
gaatctggat aattgtatca ggaggctcct agaccatatt taggatcctt ccattgggac 480
tgggcagcaa ggttaccaa ctaaatgcag tggcttcaga tgccaaacca cctgagatga 540
gccacacctc acaggtgagg ggtatgggtc cccacaacac tgcccttgct tcagacgcc 600
gctgcacatt caggggttcc cagcccacc tcaactgctga ctggctgcaa atctgggagt 660
ttccactacc cctcagggtc cagaatgcac taggatgact 700
```

<210> 1412
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1412
actaaatgca gtggcttcag atgccaaacc acctgagatg agccacacct cacaggtgag 60
gggtatggtc cccacaaca ctgcccttgc ttcagacgcc agctgcacat tcaggggttc 120
ccagcccacc ctactgctg actggctgca aatctgggag tttccactac cctcagggtt 180
ccagaatgca ctaggatgac tgacagaact caggagagtg ctatacgtaa ggccacagtt 240
ttatcataac aaaagcattc aaatcagaac cagccaaaag aggagacaca ggggagat 300
ggaggagggg cccaaacaca aagctctcat tgtcttcccc gtgtggcgct agaggcatca 360
ccttctcagc actttgacgt gtgacaaaat gctgactatt tctaagcagg gaggtcact 420
tgagctttgg ggtccagagt ttttatttga gtcttatcat ataggtgtgg ttgatggact 480
cattggccac tgggttgaa ccatcttctt ggtctccttc cgggaggcca ggctgatatc 540
acagaacctc agtggcgtgg ccagcccctc catggtcgta ttgtcagcaa aaactaccta 600
gggcccacca tgagtcact cactcgcata aactctcaga gaccaccatg aataataaga 660
tactctatc acttgggaaa tccctaggaa tttggggcta 700
```

<210> 1413
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1413
ctcatcttcc tgggtctcctt ccgggaggcc aggtgatgat cacagaacct cagtggcgctg 60
gccagccctt ccatggctgt attgtcagca aaaactacct agggcccacc atgagtcact 120
tcaactgcac aaactctcag agaccacct gaataataag atactcctat cacttgggaa 180
atccctagga atttggggct acctcctggg aactgggtgac aaggactagc cacgttggtt 240
actccaaggg tttgtagctg gtaggacct ccaagagcca ggacaaaggc cagacttctt 300
ggataaagggt tgattcttca ctgcacaaac tggaggagag ttatgagaag agcaggtggt 360
tgcttccaaa gcagggtggg actttggatc cgatgaacta ttatgtggaa tgaagtacag 420
cagcgggttc agttaacaca ggaggagct catcaagctg cggacttgct ggggtggagag 480
ctctgccaa ataggttctc aaggagagtc ggggatgcag aaggggagct ggtggggagg 540
gcgggggtct gggggcgtct tgggggcagt ggaacagcca tttatgtgtc catctggtgt 600
ttttctaagc acccactaaa gggcagacct tgggcttgag gctctgaggg cagagctggt 660
gagtgaagg ggaatattag gtgggcacct tcagctcaga 700
```

<210> 1414
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1414
caaggagagt cgggggatgca gaaggggagc tgggtggggag ggcgggggttc tggggcggtct 60
gtgggggagcag tgggaacagcc atttatgtgt ccatctggtg tttttctaag caccactaa 120
agggcagacc ctgggcttga ggctctgagg gcagagctgg tgagtgaataa gggaatatta 180
ggtgggcacc ttcagctcag aagcagaatc cagcttggtt tgtttggttc aatgggtgaaa 240
tgaggccaaa gatgaaagga taaactgtcc agaacttcg agagtgaacca ggagtctccc 300
cagagggcag aagtggggga tgggccatcc tcgctgcag ggacagcacc atggcagctg 360
caggtgcggc aggtgggtag agatggggaa ggtgggtgcc tgcattgtca gggacaaaaga 420
ggagggcagc gatcaccacc actaccacca ctgcgaagga gtctccgagc ctgcagggcc 480
atgggcagtg ccttggcggg gtgtggtggg cctgacacca aagttcagga gggagggttga 540
atactgctgt ctctggctgt gtcggtcaca ggccccctcc cctccccctgt gtgagagctg 600
agaaccagcg ccggccccctc catggatgca gagtttttcc ttcaggccct ggaacgtagc 660
agttatgagc actgcgtttg ggagtcacgc aaatgagccc 700

<210> 1415
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1415
ggtgtggtgg gcctgacacc aaagttcagg agggagggtg aatactgctg tctctggctg 60
tgtcggtcac agggccccct ccctccccctg tgtgagagct gagaaccagc gccggccccct 120
ccatggatgc agagtttttc cttcaggccc tggaacgtag cagttatgag cactgcgttt 180
gggagtcagc caaatgagcc cttatcaact ctgtgacct gagtagatca ttaactctct 240
ctgggtctcg attttctcac ctgtgaaatg ggaataatgt ggctcttcct tgtgaggagc 300
aagtgagtg ttccatggaa agtacttggc atgtgtcatc cagaaagggg gtctgttaac 360
agaggctgct atagtacacg gtggctaaga gagcggacgc tggggcccagg tggctctgtca 420
ggcctggctg ctgtgcctcc tggctgtgtg accttgggca cgctactcag cctcatctgt 480
gaaatagggg tcatagctgt ccctgtctca tgaagtgtg ctgaggaatg aatacattta 540
aagttttcaa gtatttagaa tagtgccctg cacacagtga gtgtgatgat gataatgatg 600
actcctatct tgagttgctg aaatgactga tgcttcatct attaggcaag cccaagtctg 660
gacagggcag tggagatctg gccagacggg ccctccccac 700

<210> 1416
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1416
tccctgtctc atgaagttgc tctgaggaat gaatacattt aaagttttca agtattttaga 60
atagtgcctg gcacacagtg agtgtgatga tgataatgat gactcctatc ttgagttgct 120
gaaatgactg atgcttcac tattaggcaa gcccaagtct ggacagggca gtggagatct 180
ggccagacgg gccctcccca caggttcttc ctggatgtgc ctctccgctc tttgagttgc 240
cgtccttggt tctggtgggt cacggctctc acactgcagc ccgcctactt tagtatctgg 300
attcattaca gggaacagac acagctgtgg gtgctttagt caggaaagga tttcatgcag 360
gaaagtaggt gcttctaaga atgtcaggag ggctggaggg gcaggctcca ggctggggcc 420
agaaccctaa agacctgacc caactcagcg gccacccctg aggtgcagt gccgggattc 480
caaagctgct gcctctgctg accccctaca ctgtgagtct gctccaggag actcccgtgc 540
tgacttccac accatgagtc tgcctcaagg caccctagtc ctgaatgacc aggtacatgg 600
tatctgccgc cctccccctc acagcttgct agccttcac taattggaaa agccagatgc 660
tcgcttcaaaa ggagtcagaa acgcggcagt caactaggag 700

<210> 1417
<211> 700
<212> DNA
<213> Homo sapiens

```

<400> 1417
gacccccctac actgtgagtc tgctccagga gactccccggt ctgacttcca caccatgagt 60
ctgctcaagg acacccctag tctgaatgac cagggtacatg gtatctgccc cctccccctc 120
cacagcttgt cagccttcat ctaattggaa aagccagatg ctgcttcaa aggagtcaga 180
aacgcggcag tcaactagga gaaaggaata caggctgcac aatgcagccc agtctccacg 240
ggcctcgctt attgatgctt gctgtcccag ccattcctgt ggtccgagtc ggggtgaatct 300
cacctccccctc ctcttctgtc agtcctgcag gccagcacc caggagagtg tttccaaccc 360
ccacaggctt agtcatggaa aaagggtgaga cttctctgag ggagggggcac ttaagcagag 420
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gggacagcag gtggaaggcc ccgagggtcac tgaagagagg gctcccagga ggggagcacg 540
ggccgagggg acccagccag agcattgcag gcgcccgtga cagaggcagc tggcgcgaaat 600
cgggtgggat ggtggcaggg agagctgtgg gctcttgagt catttgggcc agcacagtgt 660
ctagggttaag acctgggtgtc ttgggtgccc cgggacctga 700

```

```

<210> 1418
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1418
cccagaggtca ctgaagagag ggctcccagg aggggagcac gggccgaggg gacccagcca 60
gagcattgca ggcgcccgtg acagaggcag ctggcgcgaa tcgggtggga tgggtggcagg 120
gagagctgtg ggctcttgag tcatttgccc cagcacagtg tctaggttaa gacctggtgt 180
cttggtgccc acgggacctg actgggtctg aatcccagct ctgggtgacc ttggaaaagt 240
tcccccatcc aggcttctct gtaaaactgg gctgattaca ggggcgaggg aatactatag 300
aaggtgacaa atatgaagtg tttggtgtgg tgaccggcat attgcaagcc cccggaaaat 360
gccagcaatc accatcacca ccaccatcat cattaatagc acttggaggt gactgaatgt 420
gggggtgagg gagagcagga agtcgcaggg ggccccagg ctctggcttg gggaggaggc 480
aggggagagg gcaggcggcg ggtgggnagc accagctgag gggctgctac gggccatact 540
ctgagaacag gggagggtcc agcctgcagg cagtagacat ggagggtgac taagccaagg 600
ggaagaacac agtgttgctg gaaaaagggg tcccgattca gaccccgaga gagtctcttg 660
atctcgcacg ggaaggaatt caagggtgagt cgtggtgtgt 700

```

```

<210> 1419
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1419
gggtgggnagc caccagctga ggggctgcta cgggccatac tctgagaaca ggggaggggtc 60
cagcctgcag gcagtagaca tggaggggtga ctaagccaag gggaagaaca cagtgttgt 120
ggaaaaaggg gtccccgattc agaccccgag agagttcttg gatctgcac gggaaggaat 180
tcaaggtgag tcgtggtgtg tggtaaagaa aggatgtaga aaactactca gtagtaggtg 240
tcctcagaaa gcatgagcag gaacgccttg tctgcttaaa gcttttctta tataggggtc 300
ttgtctatac aaaagccaag ctacattatg tctatgtgca ggtgggctga cagtgtcaca 360
aaatttagta ctttgttgat ttaaataatg ttttatcctt ggccttttag tgagtaagta 420
catcaaagca ttactgtaaa tagcttgaaa gcataatatt ttatgagaca tcaggacacc 480
cagacattct gctggtgtag gagtttgtcc ttgcgggcgt gactaaactg cttccttggc 540
gtaaacatct catgaccatg ggtagtgtact ggcaaggaat atgcctagct agttttaaga 600

```


tggagttgat tttaaaatgg tgtcacccctg gctctcctcc actcctgttg acctaacaat 660
atggccaagg ggtgagagaa gacaggggac aagaaatgag 700

<210> 1420
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1420
ggagtttgat cttgcgggag tgactaaact gcttccttgg cgtaaacatc tcatgaccat 60
gggtagtgac tggcaaggaa tatgcctagc tagttttaag atggagttga ttttaaaatg 120
gtgtcacccct ggctctcctc cactcctgtt gacctaacaa tatggccaag gggtagagaga 180
agacagggga caagaaatga gccagggcac tcctgcgaca ctggaagggtg gtgaggcagg 240
gtgcagagtc caggcatgag agaggcccag ggaggaggag cagtggtcag cggcagcaat 300
gttcctcgtg ggtgaggcta gataagggca gacatgcgtt gctgcacgga gtggagttga 360
taatcagtgat cctcatgaga tatctgagtg cagttggggg cacaggaagt ggccagatga 420
gggtggaactc agtatgggca tctgggaggg cagctgtggt gggctgcagg ctgcgtcgtg 480
gggtgtcagc tgtgttctga atgggacaca atcaagcaca ggctgccccg gctcagcagag 540
cggcagcttc atccttgtag ttgttcacac acaacacggg aagacctcac acgctcatat 600
ccaagccacc ccaaagcctc tcctttcact gatgtgacat ctcggtattg tggtgggtggg 660
gaaggggagg gggtagagat ggaacaaaat tgacaaaact 700

<210> 1421
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1421
aatgggacac aatcaagcac aggctgcccc agctcagcga gcggcagctt catccttgca 60
gttgttcaca cacaacacgg gaagacctca cacgctcata tccaagccac cccaaagcct 120
ctcctttcac tggatgtgaca tctcggattg gtgggtgggtg ggaaggggag ggggtagaga 180
tggaacaaaa ttgacaaaac tggccatgag ttgctcattg ttgacgctgg gcaatggatg 240
cttgggagtg actttcgtgt atatttgaaa ttttctgtaa tagaagattt taaaattgta 300
attgcatagc aaatgtaaat attaacatat atgcacattt atatattata tatttanatc 360
tatactttat ggattatata atatactatt taagtaaata atgtatacga tagcagtata 420
atgtatacat gcatcttaca cacacgcccc tctccagtc tccactacca caagcaccat 480
cgctccccac cagcatctct gcaggcacct tggcgctcat ctccctgctc cgccttcgcc 540
ctgcgttgcg ttctccacac agcagccacg gtgactttgt taaaatgtga gtcagaccac 600
atcactccat tccacttaga atgaagcccg gtcctggcct ctgaggccct gctgggntcc 660
tgctgccctt gccgtggcct ctgctccagc ccgagggcca 700

<210> 1422
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1422
tgcaggcacc ttggcgctca tctccctgct ccgccttcgc cctgcgttgc gttctccaca 60
cagcagccac ggtgactttg ttaaaatgtg agtcagacca catcactcca ttccacttag 120

```

aatgaagccc ggtcctggcc tctgaggccc tgetgggntc ctgctgccct tgccgtggcc 180
tctgctccag cccgagggcc acccgtgagt gctgggaagg gcacccccag ctgctcttg 240
ctcaagacct tagcacctgc agttcccttt cccttgatga ctttgccccg atctgtgcat 300
ggngtcccc tnccttgt ttcgtccga taacacagca ctctccctgc tgtgcagccc cggactgttc 420
atctctccaa cctcctcgca taacacagca ctctccctgc tgtgtctctc gttggcttat 480
tatttccac ggtagcggct accaccgccc gacacactga gtgttctctc gttggcttat 480
tctgtctccc tgetagaagc aacctgttt tgtttagtgg acccccagca cctagagcag 540
ggtctggcac ccaggcaagg cctcaatcca tacttgttga atgaatgagt ggagctccat 600
ttccacggag cactgagac gtggctgaag taacaacact agaagtcagg gacacagctg 660
gggcttgaag ctgggactag tttcacctg agccccggc 700

```

<210> 1423

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1423

```

caaccttgtt ttgtttagt gacccccagc acctagagca gggctctggca cccaggcaag 60
gcctcaatcc atacttggtt aatgaatgag tggagctcca tttccacgga gccactgaga 120
cgtggctgaa gtaacaacac tagaagtcag ggacacagct ggggcttgaa gctgggacta 180
gtttcacct gagccccgg ctatatgtc tgctgtgtt cctgagagg gaggggatgg 240
ggcccagagc acanacacat ggaggggccc atccaagggc acagggaccg aggggaggag 300
agaaacgagg ctggcaggca gtggcataga ctccgctttg cggagctgtg gggaagtagc 360
tctgcaggct gttggcttct cttgccttcc agaagcagg ggaaggctc tctcccaaga 420
gaggcagagc tgcagaggag tctgcaggaa tgctccatct gtcccatag tgttaatgtc 480
acttcagcct cagagctaga tgggcggcct acccttcc tttccactcc cgctggctcc 540
tgtgccctgg caggccagg cctagtgaag accccaaga aggcagcacc ttcctctgtc 600
tttggcaatg tgggatctga tgggtccaag agtgcccaac ccatgggagg agcggtgcta 660
gtcctgtctg gctgaggggc tgcttgccag gccctgcag 700

```

<210> 1424

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1424

```

atgggcggcc taccctttcc ctccactc ccgctggctc ctgtgccctg gcaggccagg 60
gcctagttaa gacccccaa aaggcagcac ctccctctgt ctttggcaat gtgggatctg 120
atgggtccaa gaggcccaa ccatgggag gacgggtgct agtcctgtct ggctgagggg 180
ctgccttgca gggccctgca gacccccacc tctctcccag agagggcccg ctccccaggg 240
aggacttagg ctggtctgag ggggtgctgt gctggccag ccgggggatg ctgcaaccag 300
gtctcctcac tggcctgtct cggccacat cctccatgga gcagacatca cgttcattgt 360
cttttgcctt tttaaaaatg aaatttatcc ttgtctccca ttggaaaatg aatgcattgt 420
cattatagaa aatgtgggaa acagatcaga agaaagaaga gtaaataaaa attgcctttt 480
ccaatgtggc atcaccacag ctctctggc acaggccct gggctgggca gggagtgtgt 540
gactgtgtng ccaacaggcc atcgggctgt gggctctacag gggatgccat cgggtggctt 600
ggccttcctc ccttgagggt ttggggaaat ggtgtccag ccccgcacag ttgtccacag 660
tgatgcagag agtgaggctg acgagagttg ctatatttaa 700

```

<210> 1425
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1425
gctcctctgg cacagggccc tgggctgggc agggagtgtg ggactgtgtn gccaacaggc 60
catcgggctg tgggtctaca ggggatgcc a tgggtggctt gggccttcct cccttgaggg 120
tttggggaaa tgggtgccag ccccccgcaca gttgtccaca gtgatgcaga gagtggagct 180
gacgagagtt gctatatatta attttgggtgc ctgcgtcacc tctgaccaca cagcagcgct 240
tgcccaggca ggcagcacat ggctgggggt gtttctgaac gacgctgtga gagaatcact 300
ttccccaaga aaaggtatag cagaggggaa gggagagaca gcaacagaaa gtgaggtcgt 360
aagtagaaaa ttgcttctgg gatttcaaat ggctttgtca tggggccctc ccttinctgcc 420
gagaaatcag ttgatctggg aaagtttgtt gcaaaccctt gccctcttgc ttttgggtgg 480
agctgagaaa tgaatgaaga taatggggct ttatgagtgt gggggagggt agctgaggag 540
acagccacca gtctgaccc cagcttggac ccctagaaag gccagatagg agctggccag 600
tgtgtccctg gccaggctgt cctgtctgga acatagtcag cctgncccca gccggacctt 660
cttagaaggg aggcaggcga agtgggaaac aggtttggag 700
```

<210> 1426
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1426
ataatggggc tttatgagtg tgggggaggg tagctgagga gacagccacc agtcctgacc 60
ccagcttggg cccctagaaa ggccagatag gagctggcca gtgtgtccct ggccaggctg 120
tcctgtctgg aacatagtcg gcctgncccc agccggacct tcttagaagg gaggcaggcg 180
aagtgggaaa caggtttggg gtgtgttaca atgcaccagc tagatgaagg gcataggcag 240
aagacatttc tctttgaccc taatgaaaaa gcgataagcc gctgggcccag gtgaaggcca 300
ggcttcaagc tgctgcctcg gtcacaagga aataagatgc gggcctgggc cccttggggc 360
ctgctccttc tcgtcctgcg caggacaggg ggccagcctc ggagaaacct gccaaagtgc 420
tgggagcatt ttctgacacc tcactctgag agcaaactga ggtgtttggg gccgagttca 480
ccggaaactc gcgtgtgtct cacttctcac tcaagcccag cctctcttcc agtgaaacct 540
cctgggctgg gggtcccgag gtgccaaggg gctccccgcc ctgggccccca tggccagcat 600
cttcctccca ctcaccaagc actcttctcc cttctcaacc cccttctctc tgagtctgc 660
tgagggcttg ccttgtttat gaaagaactt aggccacgtg 700
```

<210> 1427
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1427
tcactttctc ctcaagccca gcctctcttc cagtgaaaacc tcctgggctg gggttcccg 60
ggtgccaaag ggctccccgc cctgggcccc atggccagca tcttctctcc actcaccaag 120
cactcttctc ccttctcaac ccccttctct ctgagtcctg ctgagggtt gccttggtta 180
tgaaagaact taggccacgt ggtagagaa aactcccagc aaacaccacc agggctcagt 240
ccccagggag ggaggttccc agccacagtt gcagtgtgta cacttaccta ccttgttctg 300
```

```

tcttcctttc tcattcctga cagggcccct tccctgtcgc caccagctgc agcttggttc 360
tgtggctcag taaggtgtca ctcatccctg gagagcccca cgccctctcc agcccagggc 420
acactgccag tgaccacagg tcccccttcc tggggagcag cctggaagggt gtgagggaca 480
ggagctcggc ggtggctgag gaagtggcga gctgcagacc cctagtgggg cccgggacgg 540
ccatccgcac tgtgcacctg cctcgcaggc tgtcctgaat gtgtggctca gagcacggcc 600
ttggaggatc ccgaggaacc ttgcccaca tcagcctcaa ttccagtctt tgttcttgag 660
ggagtcacgt ggaatttcac tggaagggtt tccatctttc              700

```

```

<210> 1428
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<400> 1428
ggaagtggcg agctgcagac ccctagtggg gcccgggacg gccatccgca ctgtgcacct 60
gcctcgcagg ctgtcctgaa tgtgtggctc agagcacggc cttggaggat cccgaggaac 120
cttgccccac atcagcctca attccagtct ttgttcttga gggagtcacg tggaaatttca 180
ctggaagggt ttccatcttt ctggataggc agggcaatac tttggctggg cagagaggac 240
atgggtcaaa gatgatgcta ctgggagata gatttctagg tcttgtttac aaagtcatta 300
ccctccgtaa atatccttcc agccttaaac cctaggctct ggatggagaa gaatgccgag 360
accctgactc ccacccacct cccctggctt ccaagactct ctgcctcttt gcggaagcag 420
ccactgctca cctccagagg ggaggccctc ccgagggagg acatacagct cccccaaccc 480
gaccctctgt tgtttctaca gatttctttc aggggctaaa tcttgagtgc atgtggtgtc 540
ttggttgctc ctagcccagg tgtctgctgt ggggtggtcc cccgcaggta tttcctcagc 600
aaacgtggca ggacttaata ggcttggcac cagagagccg gtccctgtctc ctgcccggga 660
cagcctgctg gagaccacag tcttgaccca tcaccctctt v              701

```

```

<210> 1429
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1429
agagttcttt caggggctaa atcttgagtg catgtggtgt cttgggtgtc actagcccag 60
gtgtctgctg tggggtgggt ccccgagggt atttctcag caaacgtggc aggacttaat 120
aggcttggca ccagagagcc ggtcctgtct cctgcccggg acagcctgct ggagaccag 180
ctcttgacac atcaccctct tcacccccac agtcttctct cctctaggcc aagtgtcccc 240
tgccccctgc actgtcagggt ttgccttctt ccgtgcctc tccctgggga aagtgagtgg 300
ttctggagta gctggccacc atcatcagcc ccctggcgaa ctccctgcca cgtcctctgc 360
tgttgctgta atgacacagc catgagcagt cgagggcggc tgncttcagg gacttctgag 420
catcactgtg gtgttcccat agggctctgg gctccccagg gagggcacct gcctgtcact 480
acaagtttga gactggttct tgaagaccat caccactgc aaaggcatcc catcctggag 540
tcacctctg cctgggcac ctcccagaga gtcacagtga aaagtgttgc tgacgggcat 600
ggcctggagc tgtggccttg taaggcccgc tggctctctg actccagctg ctgaccaggg 660
ccatggggaa gcaacaagag ctgctgagga gtggcctagc              700

```

```

<210> 1430
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)

```

<223> n = A,T,C or G

<400> 1430

```

ttgaagacca tcaccactg caaaggcatc ccatcctgga gtcaccctct gccctgggca 60
cctcccagag agtcacagtg aaaagtgttg ctgacgggca tggcctggag ctgtggcttg 120
gtaaggcccg ctggtctctg cactccagct gctgaccagg gccatgggga agcaacaaga 180
gctgctgagg agtggcctag ccagagccct gttcacagag gtggtgcgtg tgtgcaccct 240
aatggcgaga gctgtccaga aatgcaatgg gctgcccctc aaatataggt agggacctgc 300
ctgtcagtga gagggcccga acaggttgat gacagttgta cagggggaaa aactccattc 360
aggacaggtg acatttggan agaaataggn aggggtggtta agtgtgtggg ctttggagtt 420
aaagtgaatt ttggacccca atcccaactt tgctccttta cctcagatga ggctctgagg 480
ccccaggacc ccagtgagga agtagctacg tgaccttagg caaaccgccc acgctttctg 540
agcctcacag ttctcatcgg cctcctgggt tgtgaggagg acatggatgt gtgggtggtg 600
ccagacacag ctggccagtc ctcaggagat gtgattgtga gacttcctgg gtctccgtct 660
gctcctgatg ccctccttga accctgacag tctggcccaa 700

```

<210> 1431

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1431

```

aagtagctac gtgaccttag gcaaaccgcc cacgctttct gagcctcaca gttctcatcg 60
gctcctgggg ttgtgaggga gacatggatg tgtgggtggt gccagacaca gctggccagt 120
cctcaggaga tgtgattgtg agacttctct ggtctccgtc tgctcctgat gccctccttg 180
aaccctgaca gtctggccca agcctctccg tccttgctgg tgcagcagac agaaggtggg 240
gcttccttca ggccatgtcc ccaccctcgg gagctagctt gcattcagcc caggtcactg 300
caccctaccc tcgctgtaat ccatcccagt cccctcctcc aaccaccag cctcccgaag 360
agctcctcag agtcttcaga ccacagacca gtgtcccaa aggccaaaat gaaagacaaa 420
tacaatcagg cctatctgtc accaacttta tttctggctt cagtttgata gtcaatgaaa 480
caacttggtc aatgtccctt ccccagtggt tcaagggtacc cttctatata ttaactcttt 540
gctaacatat ttaatattta aatacnagga aaaacaataa attactcgtt ggctgagagc 600
tggctgctgg ctggcagaca ggagcggtgt ttctgcccct ctctgaccc tgctcggat 660
gaggctccga ggccccagga ccccgagtag gtagcagaat 700

```

<210> 1432

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1432

```

tccccagtg ttcaaggtag cttctatat attaactctt tgctaacata tttaatattt 60
aaatacnagg aaaaaacaata aattactcgt tggctgagag ctggctgctg gctggcagac 120
aggagcggtt gttctgcccc tctcctgacc ctgcctcgga tgaggctccg agggcccagg 180
accccgagtg ggtagcagaa ttctgtacac agtacttatt accagggact cctggngtnc 240
actgctttag tgctgnngnc ctgagtcctt gaacccttgg ctccaagtgc nagcagccac 300
agtcttcccc aatccccaac ggtgacaaaac acactcattt aaataacaca caataataaa 360
taagaccaag aagaagtgtg cctgagctgc tgtctgcctc agttgcctgt gtgtgaagtg 420
ggtccctgtc ccaccacatg tctggcaagg ggggcancca ctgtaatgct acagtgtgct 480

```

```

ctagggcagg ggaggggtgt agggacatgt catccctggg tccaccgagc tcagggccct 540
ggacagagga ggcccaccag gctgagccct gggcaagggg aaggctgagg tcggctaggc 600
tgaanacggg cagcacaggc tgaggtctaa gctaaggaat tttaccctc cctaaccctc 660
cttcccgcct acccaagaca tttttgacat cagaaagaaa 700

```

```

<210> 1433
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 1433
tagggacatg tcatccctgg gtccaccgag ctcagggccc tggacagagg agggccacca 60
ggctgagccc tgggcaaggg gaaggctgag gtcggttagg ctgaanacgg gcagcacagg 120
ctgaggtcta agctaaggaa ttttaccctt ccctaaccct cttcccgcct tacccaagac 180
atTTTTgaca tcagaaagaa aaatgaatct gcaacttcaa tagtcaggtc ctgtctctgc 240
aaataatgat gctttcgaag tttcagttga acngtccctc gcgaaaaagt ttctttaaat 300
gtaagagcag gtccctttaca aactgggcca cctcgatttt ggtgtctcgg anatgcaagc 360
tggaaaactg ctgcaggaca aagaggtcag cacntgagta gaannccaga ggccgggacg 420
actcgacaaa accaggggct ttccagggac tgtctcattc agtcctcacg gaagtcccca 480
tgaggtgggt actgttagta cctctactgt acagatgtgg aaattgaggc ccaggttagga 540
gttaggagcc cttgagccca gatcctgtaa atcccgaagg ccacgtccct gctgccacaa 600
tggccccacc cctgggtgna cacacaccat ggatattcag ccagcttccc ttcagcgagc 660
ccagggttgg caggaggggg tgcaggggtg gtgtgagagg 700

```

```

<210> 1434
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 1434
acctctactg tacagatgtg gaaattgagg cccaggtagg agttaggagc cttgagccc 60
agatcctgta aatcccgaag gccacgtccc tgctgccaca atggcccccac ccctgggtgn 120
acacacacca tggatattca gccagcttcc cttcagcgag cccagggttg gcaggagggg 180
gtgcaggggtg ggtgtgagag ggtgggggat gccttaccct agctgagacc ctgtgcgggc 240
agaatccgct cagcatcctc tgggtcttct cgatggcact gcagcctgac acgttgatca 300
gggattccag ggctgcacag tactgtgggg aggggacacc gaggggtcag gccctgcttg 360
ggcagctgcc ttttgtgagt ctgcagggaag atggggctga gatgcctggc gcaggtgagt 420
ctgggtgggtg ggcgggaagg ggccagatta tggcgggagg gaggaganca cttgaagctt 480
gcttgaacc ccagccatgg aaggagggtc cagagaagat aagcccaagg cctggagcct 540
ctgccccatc ctccctgcac ccaaagggtc ttaccatgcc agctgtcagg ttgatgctcc 600
ataccatgct gccattgcag agcggancct nntgggagca aagtgacagt gagcagagtg 660
ctggcagggg ttgtgggcct gccctggcag cccaggccag 700

```

```

<210> 1435
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1435
 gaagggaggc tcagagaaga taagcccaag gcctggagcc tctgccccat cctccctgca 60
 cccaaaggct cttaccatgc cagctgtcag gttgatgctc cataccatgc tgccattgca 120
 gagcggancc tnntgggagc aaagtgcagc tgagcagagt gctggcaggg gttgtgggccc 180
 tgccctggca gcccaggcca ggtctgcccc agcacaggnc ccacaagcat ccctgggtgtg 240
 gcacagaggc aggcctggca nccccctcanc attcctgagc ttcgttttct gctttgaaca 300
 gcangcatac ggggtgaggct ccactgttta gggctcttga gctgagagaa aaaaattgac 360
 accactagta agggacaagc tgcattgcaag gcttgccata gtcagggcag gaggacaggg 420
 gcctgaggga agggccaggc tggggacgag tgaagttaga gtggcctggg ccactgttga 480
 ccaagacaaa tcagatggga ggcgggtggg atctgggtgt ttaaattgcc tgcccttctga 540
 tgggtgaggga acactgcagt taggagcatg gacactctgg tgttggccag gcctggcttg 600
 aatccagcct ctgtcactta acctcactga accttagcag aatgggttca tcgtacctgc 660
 ctcttgaggt ggctggcagt gatgaaatga cacataaagc 700

<210> 1436
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1436
 aggcgggtgg gatctgggtg attaaatgcc ctgccttctg atggtgaggg aacactgcag 60
 ttaggagcat ggacactctg gtgttggcca ggccctggctt gaatccagcc tctgtcactt 120
 aacctcactg aaccttagca gaatgggttc atcgtaacct cctcttgagg tggctggcag 180
 tgatgaaatg acacataaag cacgtgcacc aggcctgggtg taagcagtgc tcagacatgt 240
 gagctgttac tagtggggca aggagcggac tctactaagg aatcctcctg taagggcggg 300
 cctatgatgg tgcctggggag aatggctgca ttgttatggt caaaatccag ttggcaaattg 360
 ccacatgggt ctgggagggt gctggccctt ctctgctgtc ctctgttcag gaatggctga 420
 gtaggagctg gcagtggcag acaaggccag gccaggagag caggtagtcc ctggggagtc 480
 tgccagacac ctccataggt ccattccacag tgctgagccc cccagcccag ctctctcttc 540
 cctcatgggt gggccggggc ttggtccatg gagatttttc ctgacctaca ggcattcttag 600
 gaccaggccc agcctgctca tgacctcatt ttgggaatca cccaccctgg agccctcata 660
 gctaggaccc tggctagccg acactcacct tctggttctg 700

<210> 1437
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1437
 tccatccaca gtgctgagcc cccagccca gctcctctct ccctcatggc tgggcccgggc 60
 cttgggtccat ggagattttt cctgacctac aggcatttta ggaccaggcc cagcctgctc 120
 atgacctcat cttgggaatc acccaccctg gagccctcat agctaggacc ctggctagcc 180
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 tggacttatt gagaagggtc cagggcagag tttccaagat ctgggtgggt ttaattccag 600
 cggcaggcaa ggggcctga gagcggcgtg gcatttgcaa tgctgcctg agttccagca 660

gttttgcttg tgacaaccct gaggtaacctg acagctgacc

700

<210> 1438

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1438

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gaaaatccag tgtcgcataa aggaaagagt ttgattttctc atggacttat tgagaagggg 60
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agagcggcgt ggcattttgca atgctgcctt gagttccagc agttttgcct gtgacaacc 180
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ggaatttggg gagttttatt ttttcgatga accagtctct taaattactt aagtaacact 360
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ttgttttgtt ttgttttttt ggagatgggg tctcactatg ttgcctgcct aggctggcct 600
ccaactccca gactcaagcg atccccccac ctcagcttcc agagtggctg gaagtagtgt 660
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<210> 1439

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1439

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tggagatggg gtctcactat gttgcctgcc taggctggcc tccaactccc agactcaagc 120
gatcccccca cctcagcttc cagagtggct ggaagtagtg tgcacgtgtc tggccccctt 180
aatttaaagt gtatgggcca tccttctggg aaactcttaa ctgggcccagg ctggcagcct 240
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gctcaccagt ctctgcagga tcaaccctcg ccgtctgggg gcctcaaatt tcccttctgc 360
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tttgcttgtt ggggtgttgat gtcaagattt ctccccctacc cacttcctcc ccgaaccagc 540
gcctccccag gccccctctc tgctgtctca ggctcccccc gtctgtctct cgatggggct 600
caacctcctc acaagggtgt gcttgtgacc ctctcaca ggcatgctgg attccccgctc 660
agaggcatcc caggcttgcc caccctctct tcccacaggg 700

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<210> 1440

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1440

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tgtcaagatt tctccccctac ccacttctct cccgaaccag cgcctcccca ggccccctct 60
ctgcctgtct aggtccctct cgtcctgtcc tcgatggggc tcaacctcct cacaagggtg 120
tgcttgtgac cctcctcaca aggcattgct gattccccgt cagaggcatc ccaggcttgc 180

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```

ccaccctctc ttccacaggg gaacgtcatt cccaccctct ctgtccacac tcgaagcttc 240
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tgcttgaggt gccgtactt ggccgtgtga cccnctacg ggctgtttc ctaatctgta 360
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ccttggtctg tgcaactccc ggagccccgc ccgggtgagt caacgcccct tatcccccat 480
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gctggcgcgg cgggttgccg ggcgatggcc cgcggagata ggggggtggc cttatgtaac 600
gggagatggg cccgataagc gggatctgcg cggccggggc ctctccgcg gcctccggcg 660
gtggccggtc cgggagggcagg ggggtgggcgc gcagaccggc 700

```

<210> 1441

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1441

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gggagcgggtg ggcagggggcg ccccgcgcg tgaggagaagg cgctggcgcg gcggttgcg 60
cggcgatggc ccgcggagat aggggggtgg cttatgtaa cgggagatgg gcccgataag 120
cgggatctgc gcggccgggc cctcctccgc ggctccggc ggtggccggc ccgggaggca 180
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gccgctccag caccggccat gtcaggccga gggacccgc gggcccgcc gagcggcagc 420
ccctgccctg gaggtgggtc tccagggacc aaggcgtggc gggcggtgcg gagaggcgcg 480
gcacagatgg ctacatcaga ggggtctgtt cttgtttcta gattgtcagc ggggatccac 540
tcccgatggc gtaattttta ttaacactaa ctaccaaagg gccgctccg gcacttgagg 600
catgtggctc gcacctgcct gcaatgcgct gcgtggggcg cccgcttatg gccatgggga 660
gcctcttcgc tttgctctgg ccccgaaagc ctgggattgg 700

```

<210> 1442

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1442

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aggggtctgtt gcttgtttct agattgtcag cggggatcca ctcccgtcg ggtaatttta 60
attaacacta actacaaaag ggccgctccg ggcacttggc gcatgtggct cgcacctgcc 120
tgcaatgcgc tgcgtgggccc gccgcttat ggccatgggg agcctcttcg ctttgcctcg 180
gccccgaagc gctgggattg ggacctccct tcctcccgac cagctcatcc tgggaaagct 240
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agtcaggagg agtaaggcct gagagagtgt tttttgtaag tgaaaggatt taatttttta 360
gatttttatt tttaggaaaag ttacgaatgc agataatttt aaaaatcaag aaggctgatt 420
atgtaaaacg gcagcgctgg gaatccgtgc tctatgggcc tctggcattg ctgctcctct 480
tgtgagttag gcacttactg ccctgctgtg tcccttactg tcttttaaag gttgtttata 540
ggccggggcg ggtggctcac gcctgtaatc ccagcacttt gggaggccga gatgggcgga 600
tcacgaggtc aggagattga gaccatcctg gctaacacgg tgaaaccccg tctctactaa 660
aaatacaaaa aaattagccg ggcgtgggtg tgggcgcctg 700

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<210> 1443

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1443

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gccctgctgt gtccttact gtcttttaaa ggttgtttat aggcggggcg cgggtggctca 60
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agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaaa aaaattagcc 180
gggcgtgggt gtgggcgcct gtagtcccag ctaccagga ggctgaggca ggagaatggc 240
gtgaacccgg gaggcggagc ttgcagttag ccgaaatcgc gccactgcac ttaagcctgg 300

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```

gcgacagtgt gagactccgt cttaaaaaaa aaaaaaaaaa aaaaaaaagg ttgttaagaa 360
aatcacaagg aaggaggaaa aaatatattt cctattcatt aagtggagggt ggaacatcac 420
aaaggtcttc agcgctcactg tcttcacgtt gagcaggccg aggaggaaga agaggagggg 480
tcggtcttgt catctcaggg gtggcagagg caggagagaa tccgtggata agtggatctg 540
tgcagttcag aacctgctgt tcaaggggtca actgtgtatg taaaaaatc agtgggaatct 600
ccaccttccc tcacaagtaa ctatttttct taggtgttgt tttttttttt ttttggatc 660
ctattagttt atgtaaatac aagcaactgt gaatatatgg 700

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<210> 1444

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1444

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ggtggcagag gcaggagaga atccgtggat aagtggatct gtgcagttca gaacctgctg 60
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actattttttc ttaggtgttg tttttttttt tttttggat cctattagtt tatgtaaaata 180
caagcaactg tgaatatatg gtcttatttt cccttgtccc tacatgtgaa gtggcatcat 240
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cacttagatt gggacatttt atgacttttc ttctttgttc tctcttattg gaactgcat 360
tttttttgac tatatacctc ttggacttgt cctttaattt tctttttatt ctattttcca 420
tttaaaaaat ttctcttctc tgggatattc tcatagcttt atcttctctga gggatatttga 480
ttcttttgtgt gtgtgtgcgc atgtgcacat gcacgctaac agcactatgt tcttgtttca 540
ttgatattct ctaagtttcc tttttcatac ataactctta ttttctgcaa gttttcttta 600
aaaaattgtt ttgaactggg cgcggtggct caccctgtga attccagcac tttggggggc 660
cgatcgcttg agcccaggag tttgacacca gcctgggaaa 700

```

<210> 1445

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1445

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catgtgcaca tgcacgctaa cagcactatg ttcttgtttc attgatatct tctaagtttc 60
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gcgcgggtggc tcacccctgt aattccagca ctttgggggg ccgatcgctt gagcccagga 180
gtttgacacc agcctgggaa acatagggag actttacttc taaaaaacat aaaaaaaact 240
tagccaggca tggttgtgca tacctgtgat ccagctact tgggaggctg tgtgggagca 300
tcacttgagc tcaggagtcg aagctgcagt gagttgtgat cacaccactt cactccagcc 360
tgggtgacag agccagaccc tgcctcaaaa aaaatttttt ttccatctta taggctttcc 420
ttgcacgtta ggtaatcctg gattgcctgc acatgttaaa acagggatct ctgagggtaa 480
ttgtgtggga gggggctgtt tcctataggg cagggtggctg actgttttca cttggggaac 540
ctcctgtggc agtttctttg tcgttttttt ggcaggcagg tcagctcgcg cagaaaagat 600
tctccctgtc tccagcattc cagcagcaag ggtggagaga gggctggggg gggggcctca 660
gcatctgttg actgttccctg atttcagcat atttcgaccg 700

```

<210> 1446

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1446

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ttcctatagc gcaggtggtt gactgttttc acttggggaa cctcctgttg cagtttcttt 60
gtcgtttttt tggcaggcag gtcagctcgc gcagaaaaga ttctccctgt ctccagcatt 120
ccagcagcaa ggggtggagag agggctgggg tgggggcctc agcatctgtt gactgttcct 180
gatttcagca tatttcgacc gccctctact gtgtctagtg tttcttggtc cagatattct 240
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taactgtttc ttaactgag tttcaacaac ttctcttatt ttcacccctt tctcttctga 360
tgtccttggt cttctcccag ttcttgagca ttcttgggat tctgtaaatc aacatagggtc 420

```

```

tcagctggcc taggattcag ttttcttggg tcagccaagt agtctgccc cgtccctcc 480
actttccacc tttcaaacgc tgggtgctgtc atccatttct cccatttttg tgggtttaaa 540
acttttagaaa attcagttac tgtcatttta gttggttata aagtgggagt ttgtgtttat 600
tccattgttt tcatttggaa tttatatatt taatgtagag aatttataaa caagacaaga 660
aataagaggc aaacactagt cttgcacccc ttttccctgg 700

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<210> 1447

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1447

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ctgggtgctgt catccatttc tcccattttg gtgggtttta aacttttagaa aattcagtta 60
ctgtcatttt agttggttat aaagtgggag tttgtgttta ttccattgtt ttcatttggg 120
atttatattt ttaatgtaga gaatttataa acaagacaag aaataagagg caaacactag 180
tcttgcaccc cttttccctg gcactataac acctctgtat ctttgctatg cacatttaca 240
ttttgttaga aaaatgagat aatacattat atagttttta ctcctttttc acttaaaata 300
tatgaagagc attctccaat gtcagtattc tgcattttaa aaaagattac acaaaatgtt 360
attgtgtaaa gtacagatat gcaaaaaaat aaaaagcccc atagtcccag catccagaga 420
taataatcat tgtaatat ttggtatctgt catgctagta tgtggatatg tacagggtaa 480
gtaccttatt cctaaaataa aagggaataa actttttttc tttttctttt tttttttttt 540
gagacagagc cttgctctgt cacctacgtt ggagtgagc ggcaccatct tggctcactg 600
caacctctgc ctctcaggca caagcaatcc tcccacctca gcctcctgag tagctgagac 660
tacagggtgag ccaccacacc tggctaattt ttgtattttt 700

```

<210> 1448

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1448

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aaagggaaat aacttttttt ctttttcttt tttttttttt tgagacagag ccttgctctg 60
tcacctacgt tggagtgcag tggcaccatc ttggctcact gcaacctctg cctctcaggc 120
acaagcaatc ctcccacctc agcctcctga gtagctgaga ctacagggtga gccaccacac 180
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gcaccatcat gccacacac attggctgat ttttaatttt tttttgtaga gatagggtta 540
aacctttaga cttaccacgg ttttactaat accagatcaa agaggtgcaa gataaatgtt 600
tgctttttat tgcttgtctc ttttataaat tctctgcatt aaaaatataa attccaagta 660
aaaacaatgg aatgaacata aactcccact tcataaccac 700

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<210> 1449

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1449

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cattggctga tttttaattt tttttttag agatagggtt aaacctttag acttaccacg 60
gttttactaa taccagatca aagaggtgca agataaatgt ttgcctttta ttgcttgtct 120
cttttataaa ttctctgcat taaaaatata aattccaagt aaaaacaatg gaatgaacat 180
aaactcccac ttcataacca ctcaaaccat agtagcaaca accttatcct gttgcccagg 240
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ccccggaaga caaataatta caaataattc ccataacaat gataagttca tacattcatt 420
aagtaaattg ttattgagtg cttactgtgt aggtgctaaa caaaacagca cagtctctgc 480
cctcttagag atacattcta gtgggtagag ataatagaaca aacacatgat atatagtatg 540

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ttagaccgtg	aaaagtacag	tggagagggg	aaaaaaagag	ggcaggtaga	atgagtgagt	600
acactattat	atatgggatg	gtgacgtaag	gcatcactga	gaaggtgtta	tttgagcaga	660
gacctgaagg	atgagaggaa	gtggccatgc	agatatttgg			700

<210> 1450

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1450

agtgggtaga	gataatgaac	aaacacatga	tatatagtat	gtagaccgt	gaaaagtaca	60
gtggagaggg	aaaaaaaaaaga	gggcaggtag	aatgagttag	tacactatta	tatatgggat	120
ggtgacgtaa	ggcatcactg	agaaggtgtt	atttgagcag	agacctgaag	gatgagagga	180
agtggccatg	cagatatttg	ggggaagaaa	tttccaagct	gaaggcacia	gtaagtgcac	240
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tgtcctcatg	tggtagaaga	gccaaaggga	agaactttct	ccctcaagcc	cttttatgag	480
gtcatgaatc	ccatttctcc	atggcctaata	caccttttaa	gtgcccact	tcttaatagc	540
atcaccttgg	ggatttaagt	ccaatgtatg	aattttggag	ggaaacatac	actcaaacca	600
tagtagcacc	aaagcaggaa	aatgcccact	gtgctgagaa	ttagcaagga	aagccagaag	660
gagtggaggg	aggcatggga	gaagatactg	tcagagaagt			700

<210> 1451

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1451

catggcctaa	tcacctttta	agtgccccac	ttcttaatag	catcaccttg	gggattaagt	60
tccaatgtat	gaattttgga	gggaaacata	cactcaaacc	atagtagcac	caaagcagga	120
aaatgccac	tgtgctgaga	attagcaagg	aaagccagaa	ggagttaggg	gaggcatggg	180
agaagatact	gtcagagaag	tatgtccaga	gcatatggag	acttgtaagc	cattgagagg	240
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caatggtaac	acattacata	atcatagtgc	aatgatcaaa	aacagaaaaa	tgagcatgga	480
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cagtttcaag	atcaaccacg	gatctcacag	tgcattgagt	taattctctt	tgggtctcctg	600
cagtctgaat	ggttcctcag	tcttgtcttt	cataacgctt	acattttcca	ggaatactga	660
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<210> 1452

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1452

cctattctaa	tctcaccagt	gtttccattc	acatcctttt	tcagtttcaa	gatcaaccca	60
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gtcttgtctt	tcataacgct	tacattttcc	aggaatactg	atgagttatg	ctgtcaaatg	180
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aaatgatttt	tattgtggta	tttgccctagt	gatgactttt	ctttttccct	ttccttctac	540
atttattact	tgtaattcta	ctataaagaa	gtgctgtcct	tgtccctcat	tttttttaaa	600
gtaagtactt	gtgtatagcc	acataagttc	atgaatattt	atcttactct	atcgggtata	660

atccaatact gtctttatatt tgtttctcaa attgttctac

700

<210> 1453

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1453

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cacataagtt catgaatatt tattttactc tatcggttat aatccaatac tgtctttatt 180
ttgtttctca aattgttcta cctttgatca ttgggagtta cttcagggtg ggttctgtgt 240
tctttgaaca aactctacct ttttttttaa aaaaaatatt ttcttaattt ctggcaccac 300
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caaggagcca gagttctttt tattgaagag cgtgttttaa aatcgagatc ttggaagtag 420
gtgtcctcat tattactggg gtgtcatcac actgggccct ctttaaataa ctttgttact 480
ttcactataa gttttcatta ttttcttagt ggttaccctg gggattacaa atgaacacct 540
taatttagat gaatgtcaac ttaattttcca tttcaaaagt tcctatatag ctctgttgcc 600
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<210> 1454

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1454

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ttgtcatata aattatattt ttatacatta taagcccatc aacagtgtta aaattcttaa 180
tgcagttccc tttcaatcat gtaggaaaag agttacaacc caaaataactt tttttttttt 240
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ggattacagg cgcccaccac aacgcctggc tgattttttg tatttttagt agagacaggg 420
tttcaccatg ttgggcaggc tgggtctcaa ctcttgacct caggtgatcc gccacctcg 480
gcctctcaaa gtgttgggat tacaggcatg agccactgct cccagcccc aaaatacatt 540
tatactttta tattacctat atatttacct ttaccagtac tctttatttg agtattcatg 600
agcatttgag tctagtttca ttttacccta aaggattcat tctcctttta tatttcttgt 660
agggcaagtc tgggtgaagac agattatcac aatgtttgtt 700

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<210> 1455

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1455

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ttacaggcat gagccactgc tcccagcccc caaaatacat ttatactttt atattaccta 60
tatatttacc tttaccagta ctctttatatt gagtattcat gagcatttga gtctagtttc 120
attttaccct aaaggattca ttctcctttt atatttcttg tagggcaagt ctggtgaaga 180
cagattatca caatgtttgt ttatatggga gtgtcttcat ttcttgttt tgaaggacag 240
ttttctgga tacagaattc ttgattgagg ctgggcacag tagcccacac cttaatccca 300
gcactttggg aggccaaggt gggaggactg cttaagacta ggagttaaag accagcctgg 360
gcaagacagc aagaccccc gtctcttaaa aaattttttt ttttgagtgt ggtggcacat 420
gctggtagtc ctatttgaga ggctgaggaa agagaattgc ttgagcccag gagtttgaag 480
ctacagttag ctatgattgc accactgcaa aaataattct tggttgatag tctttttcat 540
tcagcacttt gaatatgtca tctcactgct ttcaggcctg cattgtttct taagagaagt 600
cacttcttag ctttacttgc ttctttcggt tgagatctct ttttcaacaa tttgacctg 660
atgcatctaa atgtgaatcc ctttgagttt accctacttg 700

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<210> 1456
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1456
 caccactgca aaaataattc ttggttgata gtctttttca ttcagcactt tgaatatgtc 60
 atctcactgc tttcaggcct gcattgtttc ttaagagaag tcacttctta gctttacttg 120
 cttcttttctg ttgagatctc tttttcaaca atttgaccat gatgcatcta aatgtgaatc 180
 cctttgagtt taccctactt ggagtttggt caatttcttg gatacgaaga ttaatgtttt 240
 cataaaaattt gggaagtttt gggctactat ttcttcaaat agtctttctg ctcttttctc 300
 tctctctctc ttctgggatt ctcattatga ttggtatact tggcattttg gtacacttga 360
 tagtgtctca aaggtctctg aagctctctt catttttctt cattcttctg tctattctctc 420
 agactgtata atctcaattg accggctctt gaactcactg attctttctt ctgccagttc 480
 aaatttgctg ttgaccccca tctagtgaat ttttatttcc attactgtat ttctcaactc 540
 cagaatatct atttgattct tttttataat gtttgctctc ttactgatag tcctgataat 600
 ttggtgaaac atcattctca taatttctt taattcttta gactttgttt ctgtaggttc 660
 cttgaacatg tttataatag ctgatatcta aagtctttgc 700

<210> 1457
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1457
 atctagttaa tttttatttc cattactgta tttctcaact ccagaatatt tatttgattc 60
 ttttttataa tgtttgtctc ctactgata gtcctgataa tttggtgaaa catcattctc 120
 ataatttctt ttaattcttt agactttggt tctgttagtt ccttgaacat gtttataata 180
 gctgatatct aaagtctttg cctagtaagt ctaacatctg ggcttctca tagattgttt 240
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 tgtcttgttt taaatactct atcaattatt gaagtcagat tacctactct ccagggtctg 360
 cacctgttac tatttcttat tgttgctgct gttgggttgt tctgtgtctt tcctggacta 420
 attctgcaaa ttctatatgc tttgtcatgt ttggttctctg aagtctctac tcagcctagt 480
 gggtaagcga ataattggac agatatttct ttctaattgac ttgaaccaat aaattttcta 540
 gcttttgtca agtgtgtgca tgtgtgtgta tttgtggagt catgtcattg atgtgtcagc 600
 agacagttta caactgcctt tatcttcatt tctggcatga attgagtttc aaggtcagtc 660
 agagatgaga gcttaggacc ctctcaggac atgcatacat 700

<210> 1458
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1458
 cagatatattc tttctaattgc cttgaaccaa taaattttct agcttttgtc aagtgtgtgc 60
 atgtgtgtgt atttgtggag tcatgtcatt gatgtgtcag cagacagttt acaactgcct 120
 ttatcttcat ttctggcatg aattgagttt caaggtcagt cagagatgag agcttaggac 180
 cctctcagga catgcataca tccctgcaca tgcacatgga cttctagatt cccaggaata 240
 tgcttgagct tgtcaaagct cccgtggaca tcttcttccc agatttttcc ttttaagttt 300
 cttggctcagc cttttgttag ctccacctgg taacgctgcc tcaggcagcc acagggttaa 360
 tcagttgcc a ctgattattc tgcaggaagg gctgttttca gactgagctc tgagttaagt 420
 caaataaaga taggtctctga aaatggagct tttcagtgag ttgccagaca agacaaatag 480
 aggcagttct ctagtagtgg agatctgggg gacctccaaa tctattctgt ctctccagt 540
 ggctactagg ttgctgattt tcacagatac taagagggtc gttgggtttc aagttaccat 600
 ggattaagag agaagggcac gggattaggg caacttaaaa tgccactttc tgctctgaga 660
 ttcagctggtt ttctttaa aaacacacct cagtttgtcg 700

<210> 1459
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1459

```

gagatctggg ggacctccaa atctattctg tctcctccag tggctactag gttgctgatt 60
ttcacagata ctaagagggc tgttggtttt caagttacca tggattaaga gagaagggca 120
tgggattagg gcaacttaaa atgccacttt ctgctctgag attcagctgt tttcctttaa 180
taaacacacc tcagtttgct gctatccatt agttaatttc caaagttctg aaaaagttga 240
ttttgacatt tttgccagtc ttattgcttt tatgaagaag cagattttgg atggctttta 300
ctccaccctt atggaagtag aaatccttta gatattaaaa ttataaattt gtacagatcc 360
tttgatttca atcaacacca aggggttctt tttatggcct cctttcctga tatgcaaaca 420
cctttttcca acagtgcgaa actcagttcg tattatctac aacacaggta tgtatttggt 480
tgactttagt atgtacataa aaatttcgaa attgctaacc cacaccctg tgagaaacac 540
attttcttga gttacttttt aaaaagatca ctggctgctg tgttgagaac tacagggagc 600
aggcccaaaa tcagtgggag cagttacgtg gttactcaga ttattcaggt tagagatggc 660
agtggcttgg accagagcaa tgatgggtta gatcaggggt 700

```

<210> 1460

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1460

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aaaatttcga aattgctaac ccacaccctt gtgagaaaca cattttcttg agttactttt 60
taaaaagatc actggctgct gtgttgagaa ctacagggag caggcccaaa atcagtggga 120
gcagttacgt ggttactcag attattcagg ttagagatgg cagtggcttg gaccagagca 180
atgatggttt agatcagggg tccccaaacc ccgggctgca gaccattacc tgcctcagc 240
ctgttaggaa cagagtcgca caacaggagg tgagtgcagc gtgagggagc attaccgcct 300
gagctctacc tcctatcaga ttggtgggtg cattagattc tcacgggagt gcaaaactcta 360
ttgtgaattt gcacgtgagg gatctagggt gcgtgctcct tatgagaatc tgactaatgc 420
ctgatgatct gagatggaac agtttcaccc cgaaaccatc cccctcacc caccgcctca 480
tggaataaatt gtcttcactt aaatcggtct ctgggtgcaa aatgggtggg gactgctggt 540
ttaaatggtg aggcattggt agattccgga tgttttgaaa attgaacca tagtattaaa 600
ctgacgaatt agatataaga tgtaagataa agaatcaagg ataatgcaa tttttgcctg 660
agcaattgga ataattggagt tgccattaac agaagagatt 700

```

<210> 1461

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1461

```

taaatcggtc tctggtgcc aatgggttg ggactgctgg tttaaatggt gaggcattggt 60
cagattccgg atgttttgaa aattgaacct atagtattaa actgacgaat tagatataag 120
atgtaagata aagaatcaag gataatgcc atttttgcct gagcaattgg aataatggag 180
ttgccattaa cagaagagat tcaagttctg ggagaaagac tggttttggt cattttaagt 240
tttagacgtt tattagatat tcaagtgcag atagatgccc agttatccac aggcagctga 300
atatatcagt caagcattta ggagagatct ggattggaca caaacattta tgagttatca 360
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actgccagtg tgctcctgcc aactttcagc tgctgctgct tttttttttt tttttttttt 480
gtcttttttag acaggggtct actctgccac ccaccaggc tggggtgcag tggcacaat 540
cacagctcac tgcagccttg aacctcaga ctccagggat cctatctcag ccaagtagct 600
gagactacag gtgtgcacca ccatgccttg ctaatttttt aaaaatttta tgtaaagatg 660
ggatgtcact atgttgctca gactttcttt ttaactgtg 700

```

<210> 1462

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1462
cactctgccca cccacccagc ctgggggtgca gtggcacaaa tcacagctca ctgcagcctt 60
gaaccctcag actccagggg tcctatctca gccaaagtagc tgagactaca ggtgtgcacc 120
accatgcctt gctaattttt taaaaatttt atgtaaagat gggatgtcac tatgttgctc 180
agactttctt tttaaactgt ggaaagcagc tgtgtcggta cacatggcaa gccagtaact 240
aacatgtgct agaatagcct tcactcagta accctggcaa gttgttatat aaatactcca 300
ggctctcttg cccttaggtg ggataattct gaggtatata ttttgccaaa ctccccagag 360
tctccctggg gcaccaaact ctaattgccc acttaccgta gctggcttaa tagtaaactt 420
ttcattggct gctttctctt tcatacaca tttccccaat ttcctactga ttactttcac 480
gtgaagcatt gttttacgct ctgcttcttg gagaacccaa actaagataa tttaaagcta 540
tgagactgga tgagatcacc aaataagtgga gcacagagaa gaaaagaggc gcagactctg 600
agtactaaaa cctgtgacat tgagggggcca gggaaatgag gaggaacag caaaggaaac 660
gggatgtgca ggtgttgtag ggaggaggca gagctggatt 700

```

```

<210> 1463
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1463
tctgcttctg ggagaaccca aactaagata atttaaagct atgagactgg atgagatcac 60
caaataagtg agcacagaga agaaaagagg tgcagactct gagtactaaa acctgtgaca 120
ttgagggggc agggaaatga ggaggaaaca gcaaaggaaa cgggatgtgc aggtgttgca 180
gggaggaggc agagctggat tccagtaggg ctggggattg tcgggacagt ttgagtacaa 240
tgcagtggag ggtgacataa tgatgagcca tggaaattta gttgaataag gagagaagta 300
caggcatcag ggaaacaacc tgtgaaaaag ccatagaatc aatggattga aatctcagt 360
gggtcaaaga attgctgggg ttgaggacca caggaaaatt gtagacacca tggggttatt 420
ggagagttag atgcttaaaa ctgagatttt ggaggggtgc agttattgtt attaaaagga 480
cggggctcta gaataagacc atagaactga gtatcttctc actggaggaa acaaaaagg 540
gctgaggggg gccaaaggtag gcagatcact tgaggccaga cgttcaagac cagcctggcc 600
aacaaggcga aaccctgtct ctactaaaat acaaaaatta gcctggtgtg gtggtacatg 660
cctgtaatcc tagctacttg ggaggctgag gcaggaggat 700

```

```

<210> 1464
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1464
catagaactg agtatcttct cactggagga aacaaaaagg ggctgagggg ggccaaggta 60
ggcagatcac ttgaggccag acgttcaaga ccagcctggc caacaaggcg aaaccctgtc 120
tctactaaaa tacaaaaatt agcctgggtg ggtggtacat gcctgtaatc ctagctactt 180
gggaggctga ggcaggagga ttgcttgtat cagggaggca gaggttgtag tgagctgaga 240
tggtgccatt gcactccagc ctgggtgaca gagcaagact ccacctcaa aaataaaaaa 300
gactgagagg ccaaggagtt gtattagacc atcacttgga tattgaaatc agcaatgatt 360
attagtaatg gggtgacact gaaccgggag ctaaaactct caacaaataa gagggagtga 420
ccaagctggg aatgaaagat aactgcaaca agagtgaat gaagacagct ttttcttgaa 480
cacttacaca gtatttagta ggtggcaagc agttctaagc agtttgtaa taatgtcatt 540
caatcttcat aacaacccta caaaatatgt accattttac ccacttttac atataaggaa 600
acagaaaaca ggacaaataa cttgctcaag gtccccagct agtgagtggg gtgctaggat 660
ttgagcccag gcagtctggc tcattctaac ctccatccat 700

```

```

<210> 1465
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```


<222> (1)...(700)

<223> n = A,T,C or G

<400> 1465

```

aggtggcaag cagtttctaag cagtttgttaa ataatgtcat tcaatcttca taacaaccct 60
acaaaatatg taccattttta cccactttta catataagga aacagaaaac aggacaaata 120
acttgctcaa ggtccccagc tagtgagtgg tgtgctagga tttgagccca ggcagtctgg 180
ctcattctaa cctccatcca tgctgtgatg gctattcatt ccaatgtggg gaagggggat 240
atltggagac tgatctagaa gcagcaatga gaagccagaa aggcacctat cccacctcca 300
aaccatggg cttcttggaa tgaaagcagc cactctcaga agtgctgcca aggatgccac 360
atattcaggg ggaaaccaga tttaaaattg ggaagtctgt ttttaacttg aaatgatact 420
tttgtttcac tgccatatatt gatcgtgtat tgcctttgtt attccttgct gcaacaacta 480
gcactttcat taacatgttg atagaaggta actggcttta atatttactg agaaatgttt 540
tattttgcag ttaagatgac tgtttaattt tgatttagca acagataaca ttaagaaaat 600
attatttgca aaactgtgag tttgctaaag ctaggagatg ttgaatttta tcaaatatag 660
ctgctagant tttttcagaa tttttttcac cttcggtttt 700

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<210> 1466

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1466

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gatagaaggt aactggcttt aatatttact gagaaatggt ttatttttga gttaagatga 60
ctgtttaatt ttgatttagc aacagataac attaagaaaa tattatttgc aaaactgtga 120
gtttgctaaa gctaggagat gttgaatttt atcaaata gctgctagan ttttttcaga 180
atatttttca cttcgggttt tattatagtg atggatttat caacagattt ttcattttct 240
gaaatcttgc attcttggga taaaaatc ttggttattg tggatgttta atatatgact 300
agaattgatt tgctcttaat cttactcgtg attacattta ggaccccccc ccacccccacc 360
accaccccc ggatactctg tcttaaggtc cttagcttta atcacatctg caaagtttcc 420
tttgctgtat aaagtaacag tcacgggttc tagaaatcag gacctgtcta tctttggggg 480
ccaaccattt aacctagcac agatagatgc cttaggacct tagggcttaa ttctcttctg 540
gaccagttg agaaaagctg tctaggcaaa catgctcatt atagctacag atggcacaaa 600
accatgccat gtgactgaat caagaccggg tatggctctg gctgactctg aatgacaaaa 660
ctctacaaag cataattcaa aagcgtgtga cttggttgca 700

```

<210> 1467

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1467

```

cagatagatg ccttaggacc ttagggctta attctcttct ggaccagtt gagaaaagct 60
gtctaggcaa acatgctcat tatagctaca gatggcacia aaccatgccca tgtgactgaa 120
tcaagaccgg gtatggctct ggctgactct gaatgacaaa actctacaaa gcataattca 180
aaagcgtgtg acttggttgc attctgtgtg gaatggaagg attcaagatg tcagctggca 240
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aggcctgttc ttccaggtct gggttgaccc tacagggagc aggccttgac tctgtgagtg 360
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agccagtatg ctacacagga tagacgcaga ggagtgttac aggccttctc acgatgggca 480
gatcaggcct caagtggtea gagctttcca aagggtgggtg tgcacagtgg agaatttctt 540
ctctgtagag agagctctga gtctggatga ccatctggaa gggatatgta ggagaagaag 600
gtgggtgggt ctgacttaga tgattactta aggttctctg caaactttga gacccattc 660
aactacttca aattttagtt ggggaaacca agtcccagag 700

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<210> 1468
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1468
agagctttcc aaaggtgggt gtgcacagtg gagaatttcc tctctgtaga gagagctctg 60
agtctggatg accatctgga agggatatgt aggagaagaa ggtggtgggt actgacttag 120
atgattactt aaggttcctg tcaaactttg agacccatt caactacttc aaattttagt 180
tggggaaacc aagtcccaga gagagaggtc actggattta taaagttaaa agcagagcca 240
aacatacatc tcaccatttc tggtcattct cagatattaa tactcagttt ttcaaaccac 300
atgcaaggaa gtaaatccag aggtaacatt taactatgat ttaaaaaaat accaaaacca 360
taaattttca aggcagtaat tatctccttc tcaacagtgc tttgagaaga agcatgcatt 420
tgcaactggg agggaggcac agagtgcagt ctgggctgta ctgctgaacc ctgaaggcct 480
gacagaggct gcctggaatg ggatgaagag cagcaaatca gaaacaggca atctgtccaa 540
ttttcagtga aacaagtttc atgatttttag aacctctcaa catccaaaat cctagacaca 600
atgttccttt gaaagaatat attttcttat tgactaagtt gatatgagaa ataagtttct 660
tattatacac tttctgagga cctacatttc tatggcattt 700
```

<210> 1469
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1469
gggatgaaga gcagcaaate agaaacaggc aatctgtcca attttcagtg aaacaagttt 60
catgatttta gaacctctca acatccaaaa tcctagacac aatgttcctt tgaaagaata 120
tattttctta ttgactaagt tgatatgaga aataagtttc ttattataca ctttctgagg 180
acctacattt ctatggcatt taaatcttgg atatttttaa tgaacattga atcccaggga 240
gctaacactg catttcacaa tctctgagca ctgatcgatg ttctttttta tcctgtagaa 300
tttctccaca tattcagaac gtcttaaaag ctccacaaaa tcttcatcat gagtgtattc 360
cagaagctgg aagttacgct gctgtgagcg actttttatt atcctgcaac aatatattca 420
gaacatatta ttagtaaaga gcataacccc ttctttgatt tgaaaagtca ccgcaaacct 480
tgtcagacac atgaacttgt gctgtgtgtc agggccccag ctaccctgca ggaagtggag 540
gggtggcccc aggccttcag gccagccagg caggagtctc ttctcctctc cagacagtag 600
ggacacatgg cctgactcct cacttaggtc tggcttaggg actcacagga atacaagaac 660
tagtttcttc cagatcagaa gttctcacta aagcaggtat 700
```

<210> 1470
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1470
tgctgtgtgt cagggcccca gctaccctgc aggaagtgga ggggtggccc caggccttca 60
ggccagccag gcaggagtct cttctcctct ccagacagta gggacacatg gcctgactcc 120
tcacttaggt ctggcttagg gactcacagg aatacaagaa ctagtctctt ccagatcaga 180
agttctcact aaagcaggta taaatatttt attgagtttt ccttaatatc caaactgttc 240
aactatagaa ggcttactcc ttgcctggg attttcctga cctgttacta cttttctctg 300
gaagaaaaat ttaaaagtaa taaagacaaa ctacaggtaa ggggaataac actgctttct 360
taagagctgg gtctacttag aattctgcca ccaccagtca ctagatgcat cattactatg 420
acacacaggg acctgagtgg gtgttctggg aacattttgc tgaggtaacc agcaatgtga 480
ctgaaacctg aaagactttt tcttttagct agccacttat ccccttctct gagctggatg 540
catttgaggt ttcaaaagca ctgcacctta cttgtgatga tggctgcaga aaggtggccc 600
tgcgctgctg agctctcctt ctggccctct ctgccagaaa gggactgtct ggagccagga 660
gtgcctgaaa cacctccttt gacctcaggg aaactgcctt 700
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<210> 1471
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1471
 ttcttttagc tagccactta tcccccttcc ggagctggat gcatttgagg tttcaaaagc 60
 actcgcctt acttgatg atggctgcag aaaggtggcc ctgcgctgct gagctctcct 120
 tctggccctc tctgccagaa agggactgtc tggagccagg agtgcctgaa acacctcctt 180
 tgacctcagg gaaactgcct ttttctctgc cagcatagtc cttatgcaag agctgcttga 240
 caaccttggc gtctacactg accccagggtg aatgtggtaa aaggtgtgca attttaccct 300
 cactggactt tacctaactc caaataagct ttttgagtaa gagctctgtc attcctcaca 360
 gttctctgac acatgtggaa agctggggag acagtcctaa acccactacc actacctgca 420
 gatgtcttag cagggcatgc taattgctgt gcatgacatg tgggttcctc tggtaggttt 480
 acaggaaaac caggccagga acccctcaca gtgactctct ccctgtgaac acacttgggg 540
 agctgcagga tgtgtctggg gctgctgttc accatctagt tccttttagga gggatctgaa 600
 gaattactat caaaaggtaa agcccagggc ctggcaccaa ctggcttccc caagaagtgg 660
 ggaacacagc tagagaacgt tttcatcaca gaactctctt 700

<210> 1472
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1472
 aaccctcac agtgactctc tccctgtgaa cacacttggg gagctgcagg atgtgtctgg 60
 ggctgctgtt caccatctag ttccttttag agggatctga agaattacta tcaaaaggta 120
 aagcccaggg cctggcacca actggcttcc ccaagaagtg gggaacacag ctagagaacg 180
 ttttcatcac agaactctct tggttttgaa gaactatcac aacctgtccc caaatgtgag 240
 atacttactc aaccagagca tgtgcaagag atacttactc aaccagagca tgtgcaagag 300
 attcaatgtt ttctcgggtc agatttgttg ttggctcatc caaggcaatg atgccacagt 360
 tgaggcagaa cgtttcagcc agggccaggc gaatgatgag tgaggctaata acctggaaaa 420
 aagcccctat gtgagaagcc cagcacagac cttctcatct catggcaggc aagcagtcct 480
 gacatgatct ttccagcagg gaaaagtggg aaacgtcaca ggttactgt taggtaaaagc 540
 actgccctct gggagagccc agcactggga ccagattctt atgtcctcca gaaggagaac 600
 ctgcatgatc tcagcctatc attcaccaca aaacaaaatg ctcagaacaa cgctgatgct 660
 ctcacataaa aaattacatc agctacaacc aacttgagac 700

<210> 1473
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1473
 ggaaaagtgg gaaacgtcac aggttactct ttaggtaaag cactgccctc tgggagagcc 60
 cagcactggg accagattct tatgtcctcc agaaggagaa cctgcatgat ctgagcctat 120
 cattcaccac aaaacaaaat gctcagaaca acgctgatgc tctcacataa aaaattacat 180
 cagctacaac caacttgaga ccaaaggcta gaaacagaga caatgccatt tatctgtaat 240
 tttaataatc ctgtaagatg agcaacctta aaaattcttg acctggctat ttgcctgata 300
 atgggatctg ttagaaaact tcgacacggt ttctagagcc tctcactttt tctctgctac 360
 ctttaaatct ccatattctt gtgtataatc ctgagactga gagaataaaa aagaaaatcc 420
 taggtcaaag tatcaggagt atagaaatgt ggtttcagtt aagcttacct gtagaaaatc 480
 caagtaactg gaactgttag gcattttcgt ggttactaga aacctaatat taaaaccctc 540
 agaccactg aaaccatctg aggatacaag acacacagaa ttgagagagt agggctattc 600
 taggaagtat aaactactct ggtgtgagct gtaagtcccc tttccccctc agtttgtggg 660
 tgggtgcgca cacatcagtg agttggtaat tttagaatag 700

<210> 1474
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1474

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ggcattttcg tgggttactag aaacctaata ctaaaaccct cagacccact gaaaccatct 60
gaggatacaa gacacacaga attgagagag tagggctatt ctaggaagta taaactactc 120
tgggtgtgagc tgtaagtccc ctttccccct cagtttgtgg gtgggtgcgc acacatcagt 180
gagttggttaa ttttagaata gtttatgtct tttctttaat gcctaggcaa gccagaagac 240
agggccacag cttggccctg tgagggacag gcatttcctt cctgtctttg aatccaaact 300
gctgtcaact ctaccaccac ccactcacat gcagagcccc tggctggctg ctagagcctc 360
agcaaaagcc agtgtttaggt aggctggagg cccacctcca ttatttgttc tctccccctca 420
caccaaggag acaattattg ctaattaatt ttcataactc agaatagcta caaaaaatct 480
ttttcctcaa gatatttttg aaagtatttt taattcaaag agaccatgtt tcaaactctg 540
tattttctca tttataatta ccactaaaaa tcatcaaagc acgtagggat actgattaca 600
gatcacaagt ttgtcatttt tgtagactat gatttagaca gtaatctgca gatgctttaa 660
attgggatca gctgtctagg ctgacaacat aatacatata 700

```

<210> 1475

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1475

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gaaagtattt ttaattcaaa gagaccatgt ttcaaactct gtattttctc atttataatt 60
accactaaaa atcatcaaag cacgtaggga tactgattac agatcacaag tttgtcattt 120
ttgtagacta tgatttagac agtaatctgc agatgcttta aattgggatc agctgtctag 180
gctgacaaca taatacatat atgcatggca tgttcttttt tttttttttt tttgagacgg 240
agtttcgctc ttgttgccctg ggctggagtg caatggcacg atctcggtc actgcaacct 300
ccgcctccca ggttcaagca attctcctgc ctcagcctcc cgagtagctg ggattacagg 360
cacatgctac catgccagc taatttttgg atttttaata gagacggagt ttcaccatgt 420
taggtctggtc tcgaactcct gacctcaggt gatctgcccg cctcggcctt ccaaagtgtc 480
gcgattacag gtgtgagaca ccatgccag ctgcatggca tgttctttaa gcaaaaaactg 540
caaaactatga aaatgagtta gataatgtaa gcacttattt ctatgatttt agaattttat 600
ttaaaaaaag tcaagggcct agaggtgtta tcaagtgtaa tcttctgcct tgatctgaaa 660
gcagaaagct caagtatctg tgacatcttt gttacaaacc 700

```

<210> 1476

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1476

```

accatgccc a gctgcatggc atgttcttta agcaaaaact gcaaactatg aaaatgagtt 60
agataatgta agcatctatt tctatgattt tagaatttta tttaaaaaaa gtcaagggcc 120
tagagggtgt atcaagtgt a tcttctgcc ttgatctgaa agcagaaagc tcaagtatct 180
gtgacatctt tgttacaaac ctgtgcacag tgaaggatcc agccttggtc cccaaggatg 240
ccatattcct gattctttaa aacttcattc ctcttctga tttccaatgt aggtgtcct 300
cacagagcct tacctgaagc cagatggcct gacccagcag ctaagtcttt gtgtatgctg 360
tggtagggac ttagttctat gaggggctac tttcttaatg agactcctta ctatactgga 420
atattcattc tagcttaagc tagaatctgg tttgcaatac tattatgtca ttgattctga 480
aacatcttat gggtataatt gcattttttc attcctgctg gcacataaaa tagtggtatg 540
tcttataact gatgagacag tgaccttatt ctgataagga gtgccatgaa aactctaacg 600
ggctcttcagc ttcttgttct acatttagcc tatcctgtga gaatgcttca ggcccttctt 660
ttaaaagtct acataatgtt gcaggaaatg ttgggttagct 700

```

<210> 1477

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1477

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tgcatttttt cattcctgct ggcacataaa atagtggat gtcttataac tgatgagaca 60

```

```

gtgaccttat tctgataagg agtgccatga aaactctaac ggggtcttcag cttcttggtc 120
tacatttagc ctatcctgtg agaatgcttc aggcccttct tttaaaagtc tacataatgt 180
tgcaggaaat gttgggttagc ttcaggagag tgtaataata gtagctgagc ctgattcatt 240
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tgatgtttgt ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata 360
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atcaccactc ggtagttata attccgcctt ttatcagaag ctgatacatt ttcacgggca 480
tcagaccgta tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagagggaac 540
ctatgctctg tagccttttg tcattttacaa acatatcaag taagcctagg aacaacagat 600
gaggctgaca ttaccagagg aaaacaatgg ctggtgtgga aactctttct ctggctggga 660
ggattcaaga gcctggtggt ctggccagaa gcaaccagaa 700

```

<210> 1478

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1478

```

attcaatatc tgacacagga agaagaatat tttagaggaa cctatgctct gtagcctttt 60
gtcatttaca aacatatcaa gtaagcctag gaacaacaga tgaggctgac attaccagag 120
gaaaacaatg gctggtgtgg aaactctttc tctggctggg aggattcaag agcctggtgg 180
tctggccaga agcaaccagc atgccccagt tctcagcct caactctttc ttagtttccc 240
tgtaagagt ttctccagg ccaggcgcgg tggctcacgc ctgtaaaccc aacactggga 300
ggccaagggtg ggcagatcac ctgagggcag gagtttgaga ccagcctggc caacatgggtg 360
aaaccccatc tctactaaga atacaaaaaa ttagccagggt gtgggagcgc gcacctgtaa 420
ttccagctac tactcgggag gctgaggtgg gagaatcacc tgaaccagg aggtggagggt 480
tgcagtgagc caagattgca ccactgcgct ccagcccggg tgacagagaa gtgcgagact 540
ccatctggaa aaaaaaaaaa gaaaaagaaa aaaaaaagag tttcctctgg atggtttttc 600
ttattgcatt ttggcttata cctatctaca ctatgacaga acctattatg tcatcagcta 660
aatataatgc ctactgcagt caaatatgta agtcctgtta 700

```

<210> 1479

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1479

```

accactgcgc tccagcccgg gtgacagaga agtgcgagac tccatctgga aaaaaaaaaa 60
agaaaaagaa aaaaaaaaaa gtttcctctg gatggttttt cttattgcat tttggcttat 120
ccctatctac actatgacag aacctattat gtcacagctt aaatataatg cctactgcag 180
tcaaatatgt aagtcctggt aggcctctgga acagaaaact ttacattttc ttgctacaag 240
atgttgccaa gataagaatt cttagaaaat ctcaaagaca tgcttagaaa ggggtccagg 300
gaggtaatgc tggcatgatg agaggtcata aggggaagag ctgaggagag ggctttggaa 360
agagcatttg tgataacca tgggtactcac cttgtccacg ataggactt cgccacaggt 420
cacgtataat tttattgatt tcttccattt tcataactgt aaatttcatt attgctctgg 480
aaaagggaagt cattgggtact tcatatatat aaaaaataat tatgtgtaat agtaatatta 540
aaatacataa aatatataat atataaaaaa tagaaatata aataacttcc tcaatatatt 600
caatggtaaa agtagaatat agtaagagct acaaaaaata acagcagcaa aactttgctg 660
cttggctaata actgaaaatt ggcaggctta tttctagtgc 700

```

<210> 1480

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1480

```

ttcatatata taaaaaataa ttatgtgtaa tagtaatatt aaaatacata aaatatataa 60
tatataaaaa atagaaatat aaataacttc ctcaatatatt tcaatggtaa aagtagaata 120
tagtaagagc tacaaaaata aacagcagca aaactttgct gcttggctaa tactgaaaat 180

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tggcaggctt	atttctagt	ctccaggggt	acccttctcc	atattcactc	tctaggatac	240
aacaaatact	cctttacgta	aatacttaaa	tactgtgaaa	acttcaggaa	acataatttt	300
ttagactttt	ttcttaggcc	gtggtaactt	attggaggga	atgcttcac	tgatactcac	360
gggtcacagg	aaggcctgct	gaatggacga	cagggagtta	aagggtagaa	ggtttacggt	420
tagccaaggg	gcctgcagtc	tatggggaaa	ataggagaat	cgaactgcca	ccttgccct	480
cttctatcac	tgtaaggct	taccaaagt	cagcttctta	tgttggttt	attcctcaga	540
tcttagattt	ttaccaactg	gaagctttg	ttcagcgaga	atgatttaga	agcttaagct	600
gaactgacat	caaaatttta	ttttaccttt	ccttcacaga	ttcagaaatc	ctaattctaa	660
atattaactt	ccatatttat	attccaaatc	ctaactctaa			700

<210> 1481

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1481

ttaccaaag	tcagcttctt	atggttggtt	tattcctcag	atcttagatt	tttaccaact	60
ggaagctttg	gttcagcgag	aatgatttag	aagcttaagc	tgaactgaca	tcaaaatttt	120
attttacctt	tccttcacag	attcagaaat	cctaattcta	aatattaact	tccatattta	180
tattccaaat	cctaactcta	agcactaaat	tccacttagt	ccagacatgt	ccctgtcctc	240
aactctcttt	taaggtagta	gtttctaaac	actaaaaaca	aagaggagaa	atgtttgtaa	300
aagcaaaagt	agcctgtcaa	aacctaacat	tgttcccacc	acagtcacct	ttcatcaaaa	360
agcccttagg	ttctttggaa	gcgggtttat	gaactaataa	atgttgccacc	agtggtaaaa	420
aggcaaacat	tactgcgatc	atcatacaaa	ggatgtgagg	atgtgaggcg	acttacttcc	480
atgtgcaggc	ctcttatctg	atgcatacaa	aaaaagaaac	tgaatataat	gctactgcct	540
ctgtagaatc	atctcgtgat	cttctgggtc	accagcaaga	gagaaagaaa	tgactcaaca	600
taaatacatt	ttaaatatca	gatgaaggac	tgtgaagtag	tagaagactg	gaaaaaacca	660
tattctgctt	gttgatgaga	atgcaacaag	tctccatttt			700

<210> 1482

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1482

gatgcataca	aaaaaagaaa	ctgaatataa	tgctactgcc	tctgtagaat	catttcgtga	60
tcttctgggt	caccagcaag	agagaaagaa	atgactcaac	ataaatacat	tttaaatatc	120
agatgaagga	ctgtgaagta	gtagaagact	ggaaaaaacc	atattctgct	tgttgatgag	180
aatgcaacaa	gtctccattt	tctaccttat	acattttatct	cagcctaaca	ttttatgctc	240
ctttcaaaaag	gagacaaaac	atctaagtat	ttcctaaaaa	caaaacaaaa	ctgatggaat	300
gttagacca	tcatgtaaag	actgcctttc	catagcttat	atatcatgat	cctgattttt	360
caaataacat	taaaaaaaag	ttatcttttc	attcaagtta	aaaatcttca	aaaactaaca	420
taagcattct	aatgtggaga	acaagctcca	gacaaggcag	gggtggccaa	ggcgcacacg	480
tgcagtctgc	cttggctccc	ttatacaaca	caggtggtgc	atcctgtccc	atggccaggt	540
ctgctgagac	acagcactgc	gggaaaaaga	tctagttcag	ggagaggtct	caaccacca	600
aagagtgtgt	cggatggagt	tgatgactac	cactgtggga	cggaccatta	actcatcttc	660
gtatcctctc	tgtctactat	ggaatttaca	gctgtactgt			700

<210> 1483

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1483

cttatacaac	acaggtgggtg	catcctgtcc	catggccagg	tctgctgaga	cacagcactg	60
cgggaaaaag	atctagtcca	gggagaggtc	tcaaccacc	aaagagtgtg	tcggatggag	120
ttgatgacta	ccactgtggg	acggaccatt	aactcatctt	cgtatcctct	ctgtctacta	180
tggaaatttac	agctgtactg	tgtaagagat	ggggatgact	aaggctcgta	cagtaatcta	240
cataagggaa	taacaatgat	aataatgatt	attattgatg	accatttacc	atatgcgaga	300

```

caaaactatg ctaaataatc aatttcattt aatccttacg acaatactgg gaattagata 360
ctgttatctc tatttaccat taacaaaact aagattcaat gaaatcagtg acttgttcaa 420
gatcagagaa aagtggctag gatattaaca gcccttgaat atgacagtta aaattgaaaa 480
ggcagtcaaa attccatctt ttaaagccac cagactcagt tttatgaggg aatggtatca 540
aatcttcaag acacacctag ctcccaagta tataagggtat gacacagcaa ggagaaacat 600
aaggggaaaa aagtacaagg ctatttttct tatgaatata aacattctaa ataaaaacgaa 660
atntagtagt aagggtagta aaaagaatat atcatgacca 700

```

<210> 1484

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1484

```

tttaaagcca ccgactcag ttttatgagg gaatgttate aaatcttcaa gacacaccta 60
gctcccaagt atataaggta tgacacagca aggagaaaca taaggggaaa aaagtacaag 120
gctatTTTTtC ttatgaatat aaacattcta aataaaacga aatttagtag taagggtagt 180
aaaaagaata tatcatgacc aagtagtggt tacaacaaga aagaaacagt aaaactgggg 240
aaaataattc aactaatata gtagcagatt aaaaagaaaa aaataatttt tcaatagatg 300
tcataaaaaac atttgatata ctgtaacact gaattttgat aaaatatctt aagtgaaaaa 360
tcaaagaatg ttttcttaac tggacaaaat gactccctca gatatccaca gcaagcatca 420
aatTTaattt aaaatctata gaagtgttcc tctaaaaact aagaagagaa agatgcctcc 480
tattatggct gctctaaaat aaggctcctg aaatccctaa cgattcaggg atttcacgat 540
tcaaatccct acctaaaaag aaatgagaaa tgaaaaaaag agagaaaagc ctgtcattat 600
ttttgcaggt gacagaattg tatgcttaga aaatccaaga aaatcaactg aaaaattatt 660
cagactaatg agatagccag agataaatat ataaaaatga 700

```

<210> 1485

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1485

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taaggctctg gaaatcccta acgattcagg gatttcacga ttcaaatccc tacctaaaaa 60
gaaatgagaa atgaaaaaaa gagagaaaag cctgtcatta tttttgcagg tgacagaatt 120
gtatgcttag aaaatccaag aaaatcaact gaaaaattat tcagactaat gagatagcca 180
gagataaata tataaaaatg aagttttatt atctagaggc aaacaccaat aggaaaggca 240
atagaaaaaa aaaggatcct attcacagtg gcgataaaaa ccctaaaatg cctaggaata 300
agtctaacaa aagggtatag gagctagagg aaaaagctgt aaaactttac aataggataa 360
aaggaaatga ttgagcagga gatgcatact aaggagtcca gaatggtaga tgtgatatta 420
caaagatgtc cgttctcctc aaataatcca taaattaaat gcaatccaaa cagaaacccc 480
aataaaaatta aaaaatgctt aacagaatcc ataagctgac tctaaagttc atatagaaga 540
gataatacaa aagaaaaaaa ataaatttta aaagttggta taaaaaggaa aatccagaaa 600
caaaccctaaa tgcatataga acgttagttt ataactgcaa cagttcaaat caactggaaa 660
gttttcaaca gtgttacaaa agataaaaaa aaaattatta 700

```

<210> 1486

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1486

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taacagaatc cataagctga ctctaaagtt catatagaag agataataca aaagaaaaaa 60
aataaatttt aaaagttggt atacaaagga aaatccagaa acaaaccctaa atgcatatag 120
aacgttagtt tataactgca acagttcaaa tcaactggaa agttttcaac agtggtacaa 180
aagataaaaa aaaaattatt acccgttatc caacctcaaa ataaaatcca aatgaatgaa 240
aggattaaaa gctaaagtat ttgggcagct gaggtgggag gattgcttga gcctggagtt 300
tgagaccagc ctgggcaaca tagtgagatc ccatctctac aaaaaaattt aaaaattagc 360
tgggtgtggt ggtgagtgcc tgtagtccca gctacttggg aggctgaggt gagaggatca 420

```

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actgagcccg ggaagttgaa gctacagtaa gctgtgatca tgccactgca ctccagcctc 480
ggtgacagag taagaccctg tctgaaaaaa caaaaaacaa aaaacaaaag ctaaggtaaa 540
ataaaaacaat cagatgaaaa cattttgata attttaggat tgggaagcct ttctaaataa 600
ggaacaaaat tgagaagcca taaatcaaaa gactaaagat ttgactacct aaaaattaaa 660
agttacaaaa gataccataa agaaagctga ggcagctggg              700

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<210> 1487
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1487
gtctgaaaaa acaaaaaaca aaaaaacaaa gctaaggtaa aataaaacaa tcagatgaaa 60
acattttgat aatttttagga ttgggaagcc tttctaaata aggaacaaaa ttgagaagcc 120
ataaatcaaa agactaaaga tttgactacc taaaaattaa aagttacaaa agataccata 180
aagaaagctg aggcagctgg gtgcggtggc tcacacctgt aatcccaaca ctttaggagg 240
ccaaggcagg cagatcactt gaggtcagga gtttgagacc agcctgacca acatgggtgta 300
accctgtctc tactaaagat acaagaatta gccaggcgtg gtggtacatg cctgtagtcc 360
cagctactcg ggaggctgag gcaggagaat cgcttcaacc cgggagatgg aggcggaagg 420
aagtaagctg agattgtgcc actgcactcc agcctggacg acagagctag actctgtctc 480
aaaaaaaaaa aaaaaaaaaa gaaaaaacga aagaaaattg atggacaaac gataaactgg 540
gaataggtac ttgcaatgta tgtgaaaata attaacatct agaatctatt aaaatgtgac 600
aatcaagaa acagacaacc tagtagaaaa actggcaaag agatatgaat aggtaattct 660
tggagaagaa atacaaatag acaacataca aaaagacatt              700

```

```

<210> 1488
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1488
agaaaaaacg aaagaaaatt gatggacaaa cgataaactg ggaataggta cttgcaatgt 60
atgtgaaaaa aattaacatc tagaatctat taaaatgtga caaatcaaga aacagacaac 120
ctagtagaaa aactggcaaa gagatatgaa taggtaattc ttggagaaga aatacaaaata 180
gacaacatac aaaaagacat ttaacttcac tagtaaagag ggaaatgtaa attaaagtgc 240
aagctttttt tgtgcagcca ataaaatgtc agtaacaaaa tccagacatg gaatgggcac 300
tttcatacac tattggtgga aattttctaa gtgtttttag aaggcaattt ggcattaaact 360
aaaaaatata cataacatct gagccagtaa ctccatttct aggaagctgt ctttttgaca 420
tatctgcttt agtgtgcaaa gacacactct gcagcattat ctgtagtagc acatatttaa 480
aagcttttcta atatgttcaa tagtggttaa ataaagtaga tatcatgcat ttacagaat 540
atgcagccat taaaaataca aggtacttga atatatgaac gtaaaagatt atcaccacgt 600
taaatggaaa aaaaaactca gaaaaatatc taccttgtga taatgcttac aaagaacaaa 660
aaagatgtat ttgggtgtac tatgtgcaaa gccattgtga              700

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```

<210> 1489
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1489
atagtgggta aataaagtag atatcatgca ttttacagaa tatgcagcca ttaaaaatac 60
aaggtaactt aatatatgaa cgtaaaagat tatcaccacg ttaaatggaa aaaaaaactc 120
agaaaaatat ctaccttggtg ataagtctta caaagaacaa aaaagatgta tttgggtgta 180
ctatgtgcaa agccattgtg agggaaatga aaatatgtca ccaacttaat aattcttaag 240
ggctgaatca aagttagaca ctgtcatgga aatgagccta agtctacctt gaagtgtgtt 300
ctgtgggttg cagttatgga gcgtggggaa gcccaatat ctgtaataca aggctgaatg 360
gcttttagtt tataagtggg acaaaatatt attaagtaca aaggtaggaa aaaaatcaca 420
tatgtttggg aagggcttaa tcaacataac attccaagga tgggagagat agcacaggaa 480
aatatgggac aaaattgttt gggttagaaca cacttggtag taggaattga aatgggaaag 540

```



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cccaggtatg gaagtcattc ctaaaattag aaggggaatag ggaccaccag ctttaggaaa 600
atgaagctgg cagaagtata atgggtggag gtgggggtag gaaggacggt aagagataag 660
agggtggaaa ggtgccacgg taataggtag gagttactta 700

```

```

<210> 1490
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1490
tggttagaac acacttggta gtaggaattg aaatgggaaa gccaggtat ggaagtcatt 60
cctaaaatta gaaggggaata gggaccacca gcttttaggaa aatgaagctg gcagaagtat 120
aatgggtgga ggtgggggta ggaaggacgg taagagataa gaggtgggaa aggtgccacg 180
gtaatagggtg agagttactt aggtgaagc catggaaaga aggcagctct gggctgggtg 240
cggtggctca cacctgcaat ccagcactt tgggaagcta aggtgggagg atagcttgat 300
cccaggaagt caaggctgca gtgagctgtg atcatagcac tgcactccag cctgggtgac 360
agagtggatg cctgtacaag aaccctatag gagctattga gtgacatata gtggcccaat 420
taacttaaca cgcttttatc acttggactt tacaggcatt taacatcaaa taacttacag 480
aatgaccttg aaagtccatg actgtctggt gaggcaaaga tttgaatttc atgggctgca 540
aactggtatg gtcaagtagc catctggcta gtgtatcagc tccaccacct gcctggagta 600
tgcacatctc tcagttaaat gcatatacta actcatgcga agtagtatga tttctttgtg 660
aaaactggct cttaaagtga gaggccaggt gaggtggctc 700

```

```

<210> 1491
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1491
gactgtctgg tgaggcaaag atttgaattt catgggctgc aaactgttat ggtcaagtag 60
ccatctggct agtgtatcag ctccaccacc tgcctggagt atgcacatct ctgagttaaa 120
tgcatatact aactcatgag aagtagtatg atttctttgt gaaaactggc tcttaaagtg 180
agaggccagg tgagggtggct cacgcctgta atcccagcac tttgggaggc caagggtgggt 240
aaatcacttg aggtcagatg ttagagacca ccctggccaa catggtaaaa ctctatctct 300
actaaaaata caaaaattag ccggtgtggt ggtgggcacc tgtaatccca gctatttggg 360
aggctgaggc aggaggatcg cttgaacctg ggagggtggag gttacagtga gccgagtttg 420
caagaatgaa ctccagcctg ggtgacagag ccagactctg tcttaaaaaa aaaaaaaaaa 480
aaaagtgaga ctctctcgga gctcagaaaa taatgattta taaattactt tagtctgata 540
tttaaaatact cattaagagt ctgaaagatt tcattaaaaa tttcagtaac aatcgattgc 600
attttatgag gaaaaatgat ggctttaatg gcatttatat ttctggtaat ccatgaaagt 660
cttaacaagc ttgtccagcc tgccttattt tgttgttctg 700

```

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<210> 1492
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1492
agctcagaaa ataatgattt ataaattact ttagtctgat atttaaatac tcattaagag 60
tctgaaagat ttcattaaaa atttcagtaa caatcgattg cattttatga ggaaaaatga 120
tggtcttaat ggcatttata tttctggtaa tccatgaaag tcttaacaag cttgtccagc 180
ctgccttatt ttgttgttct gttttgttct aggtcttttag cagactgaag ccatgggtttt 240
tagttttgtc tctagtgatg agcagaaaag agggatgagg aagaggcttt actggtccaa 300
ccagaaagag aagctaagaa cccatgactg gattctctcc cttggacacc ccacagacca 360
atatctcacc ttccaggaga agacccttcc agctcttgct tctttaaacc tattaactta 420
gttttcttta gctagactcc caaacatcag cttttacaat tcagcctatg gttcaatcac 480
tatggcaaga taaacatttg tttagggtgtg aaacaccact ggctatcttt gggttttgta 540
atctaccctc ttgaggttgc aggagctact gtgaaacctt actgcatcca tgggtcatgat 600
agagatgggtg actctaaggt gagccctgaa taaagccctc atctgaagct cccctcgaat 660

```

gcagggaccc aggcctctgaa gagcctcaca gaaagctggc

700

<210> 1493

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1493

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gttttaggtgt gaaacaccac tggctatctt tgggttttgt aatctaccct cttgaggttg 60
caggagctac tgtgaaacct tactgcatcc atggatcatga tagagatggg gactctaagg 120
tgagccctga ataaagccct catctgaagc tcccctcgaa tgcagggacc caggctctga 180
agagcctcac agaaagctgg ctaccttgga tgcaaaactg taaaggttac gtgtttacaa 240
tgagtcttaa aagaagcatg acctggccag gtgctgtggc catgcttgta atcccagcac 300
tttgggaggg caaggcaggt ggatcacaag gtcaagagat caagaccatc ctggccaaca 360
tggtgaaacc ccgtctctac taaaaatata aaaaattagc cgggtgtggg ggcaggcgcc 420
tgtaatccca gctacttggg aggccgaggg agaagaattg cttgaaccgg ggaggtggag 480
atggcagtga gctgagatcg caccattgga gtccagcctg ggcaaaaaga gcgaaactct 540
gtctcaaaaa aaaaaaaaaa agtattacct aatatgcaac cttccacatc tggggaaaaa 600
tgagagtaga acattttggg catggggtag aacaccatat cttgagtgat atattctaac 660
atcatttaaa ttggtatatt gtattagtat ggggtaatac 700

```

<210> 1494

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1494

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gcaccattgg agtccagcct gggcaaaaag agcgaaactc tgtctcaaaa aaaaaaaaaa 60
aagtattacc taatatgcaa ccttccacat ctggggaaaa atgagagtag aacatttttg 120
gcatggggta gaacaccata tcttgagtga tatattctaa catcatttaa attggtatat 180
tgtattagta tggggtaata cattccaaat gatggataat tcccccttt tcatctatgt 240
gtctctgacc actgccaatg cttatactta gtgatgtttt tagatgatta ctaataacag 300
atggtaatca gcttttcttg aaaatgcact gctgacttcc tgtgttacct taaatagaca 360
gctgaacgca acaattacac tgactgcatg ctttattcta agacgtgaaa gaatgaggga 420
aattttgtac cttactttct tctgggtgag aaggcaaatt tagggctcac cgtataaatc 480
ttgagaaggc cactgtttgc gagcataagc cacaaagact caattttggg gaaatttgta 540
tcacctcttt tcattttaga gaatccatct gagtaccagg taagagaact cagtaaacag 600
cctggctttg ttctttaaca agcctaaatt gctagaaagc actcctgtac ctctccaccc 660
cgccaggctc caccaagctc cctcataggt cctcattctg 700

```

<210> 1495

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1495

```

cgagcataag ccacaaagac tcaatttttg ggaaatttgt atcacctctt ttcattttaga 60
agaatccatc tgagtaccag gtaagagaac tcagtaaaca gcctggcttt gttccttaac 120
aagcctaaat tgctagaaag cactcctgta cctctccacc ccgccaggct ccaccaagct 180
ccctcatagg tcttcattct gctcagcatg cctctgtgac tgaggcactt ttctctgctg 240
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ggctctccatc agacagactg tcagcagttt ggaggaggga cagggaaga tattcctgtt 360
ttcccagagc ctgacaagaa agtggcagag caagggttgt tgaattcttt tttatttttt 420
ctcttatagc ctaatcttgg aagtgaaggg aattcttatt cctgctgcca ctggttctca 480
gggtatgcag ggatagctgg agagctccta cgtatgtttt tctattcagt gaatacatat 540
gaaaccccag gtctgcaggt caatgggctg taagagaaga gctgaccttg cagcaaaata 600
cttacaagta aaattgaaaa caaaaccaac ctgcctatct aacttggtcc ctgggtccact 660
ctaaccattg ccccatTTTT cttgctcccc gtcacaggag 700

```

<210> 1496
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1496
gagagctcct acgtatgttt ttctattcag tgaatacata tgaaacccca ggtctgcagg 60
tcaatgggct gtaagagaag agctgacctt gcagcaaaat acttacaagt aaaattgaaa 120
acaaaaccaa cctgcctatt taacttggtc cctgggccac tctaaccatt gccccatttt 180
tcttgctccc cgtcacagga gaagtgttta taagaattat ctatattctc tgtctccatt 240
tctttttctt ttttttttct gagacagttt ttttctcttg ttgcccaggc tggagtacaa 300
tggcacgata ttggctcact gcaacctccg cctcccgggt tcaggcgatt ctccctgcctc 360
agcctcctga gtagctggga ttacaggcta ggcaccacca ggcccagcta atttttgcat 420
tttttagtaga gacgtgggtt ccccatgttg gtcaggctgg tctcgaactc ctgacttcag 480
gtgatccacc cgccctggcc tcccaaagtg ctgggattac aggtgtgagc caccgtgccc 540
ggctgctgtc tccatttctt actaccatt ctctcccac ccaacttgac cgggcttcag 600
ttccaactgt gccactgact gctcctcagt cattaacaac ttccattttg tcaaatttaa 660
gggccacttc ttagtcctta tcttatttga ctccaaatag 700
```

<210> 1497
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1497
ctcccaaagt gctgggatta caggtgtgag ccaccgtgcc cggctgctgt ctccatttct 60
tactacccat tctctcccca cccaacttga ccgggcttca gttccaactg tgccactgac 120
tgctcctcag tcattaacaa cttccatttt gtcaaattta agggccactt cttagtcctt 180
atcttatttg actccaaata gcattagatt cttgatatat ttgcttcaact tgggtttcaa 240
gataccacat cttttaaaat cttttcccac atcaccagct gcttattttac tggatttgca 300
aacataacta gtggtgggac ctttcccttc tctctctatg ctcatccac atgtgatctc 360
atctcatggg ttaaatgccg tggatatgct gatgactccc cagtgtacac ctttcaactg 420
aactctaggc tcgaggttat atatccaact gcctgcttga cagctctgct tagatatcta 480
caggcacttc aaacttaaa ggtacaaaac ggaactactg attttctctc ccagtgccca 540
cccatttttag ggaatggcaa cctgttctcc caatatcctg ttgttcaagc aaaaatatgt 600
aggagcaacc tttggttatt ttactttccc tcccttacac tcaattcaga agcaaggcct 660
gtcaactctc tctccagaac aaatcccaag tctatcactt 700
```

<210> 1498
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1498
gtgtacaaaa cggaactact gattttctct cccagtgccc acccatttta gggaatggca 60
acctgttctc ccaatatcct gttgttcaag caaaaatatg taggagcaac ctttggttat 120
tttactttcc ctcccttaca ctcaattcag aagcaaggcc tgtcaactct ctctccagaa 180
caaateccaa gtctatcact tctctccatt ttcactgcta ccactgatc tagcccacca 240
ccatctcttg gttactacaa gtctcctcat cagtctctgc ttttactctt gccctttaca 300
atccattctc cacacccagc agccagtgc atttcttcca actagaaatc agattatatt 360
acttccctgc ttcaaaccct ccagtgactg cccaatgcag ttagaatgaa ataaaactgt 420
ttgtttacca aggctacaag gcatgacata ctctgggaat ggtctatccc tgactatatt 480
cccccactgc ttgccttctt cctggctcctt gaacactttc tgttcgtact ggtcttggtc 540
gctgcagtaa ctattctctc tacctggaac gcctgcaccc cattttttgc atatcttgct 600
cccttctcat caatcaggtc ccagcttaaa ggcccactctg ttatgctcac attgttcatt 660
ttcactgtaa tacctaccac tactacccat tttgttatta 700
```

<210> 1499
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1499
tcctgggcct tgaacacttt ctgttcgtac tggctcttggc tgctgcagta actattctct 60
ctacctggaa cgccctgcacc ccattttttg catatcttgc tcccttctca tcaatcagg 120
cccagcttaa aggcccatct gttatgctca cattgttcat tttcactgta atacctacca 180
ctactacca ttttggtatt aatttatttc ttaattttgt ttcttcatcc ttatatactt 240
agtatctaga acagtatcaa gcatttatgt actcaaattt ttattgaaca aaatccta 300
atacaactat gtattatgta cacaagcacc tcaactgaaga gttacaaaat atataga 360
aagttatggg tctaaaccag gaagtataag taacagttaa aatgctttta tataaata 420
agttttttta cgggtataaa aaaaggctcat gcccgtaatc ccagcacttt gggaggctga 480
ggagggtgga tcacttgagg ccaggagttc aaaactagcc tgggtcatcat ggcgaaacct 540
cgtttctact aaaaatacaa aaattagccc agtgtggtag cacatgcctg taatcccagc 600
tacttagaag gctgaggcat gagaatcgct tgaacccaag aggagaggt tacagtgagc 660
agagatcacg ccactgcact ccagcctgag agagctgaga 700

<210> 1500
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1500
gccaggaggt caaaactagc ctgggtcatca tggcgaaacc tcgtttctac taaaaataca 60
aaaattagcc cagtgtggta gcacatgcct gtaatcccag ctacttagaa ggctgaggca 120
tgagaatcgc ttgaacccaa gaggcagagg ttacagtgag cagagatcac gccactgcac 180
tccagcctga gagagctgag agaaccagtg agactccgtc tccagaaaaa taaaaaaaaa 240
agcagggggc cactatggta gcagcatgct acagtgggtc tgatatctaa ttttatctct 300
accatttacc tgggtaactc tgggtagcct gcttaatctg tctgataaat acttgccctt 360
taaaacagag ttagatacaa taattaaatc gattatgcta tcatgtagta ttcaattgct 420
attattgtct tctatgcaca gccctcaacc tcaaagaatg tttaaatggg aacagaaacc 480
tacgttttct taatgaattt agttcttttag tgctattaaa gaatagagaa tttagaact 540
taacttacat taaagaatgg aacatgacaa aggaagctgg actaaatcgc ctctgagctt 600
ttctgactct atactgaata atagtataga tttttaaaaa ttctatttta tagatgagga 660
aacggaaaact cagagtgtct aaataatttg ctaaatatct 700

<210> 1501
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1501
tagttcttta gtgctattaa agaatagaga atttaagaac ttaacttaca ttaagaatg 60
gaacatgaca aaggaagctg gactaaatcg cctctgagct tttctgactc tatactgaat 120
aatagtatag atttttataaa attctatttt atagatgagg aaacggaaac tcagagtgtc 180
taaataattt gctaaatatc ttcagtcagg actcaaaatc accactatgg agaatagtat 240
ggagggttct aaaaaaacta aagacagaaac taccatatga ttctgcaatc ccacttactg 300
gatatttacg caaaggaaat gaaatcatta gggtgaggag atatctgcac tcccatattt 360
attgcagcac tgttcataat acctaagatt tggaagcaac ctaagtgtcc atcaacagat 420
aaatggataa agaaaatgtg gttcctctcg ggcgcggtgg ctcacgtcta attccagcac 480
tgtgggaggc tgaggcgggt ggatcatttg aggtcaggag ttcgagatca atatggccta 540
catggcaaaa ccctgtttct actaaaaata caaaaattag ccagggtggtg tggcaggaac 600
ctgtaattcc agctactcgg aggctgagggt ggagggtgca gtgagctgaa atcacaccac 660
tgacttcag cctgggagac agagactccg tctcaaaaaa 700

<210> 1502
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1502
tggatcattt gaggtcagga gttcgagatc aatatggcct acatggcaaa accctgtttc 60
tactaaaaat acaaaaatta gccaggtgtg gtggcaggaa cctgtaattc cagctactcg 120
gaggctgagg tggaggttgc agtgagctga aatcacacca ctgcacttca gcctgggaga 180
cagagactcc gtctcaaaaa aaaaaaaaaaag ttgttcatat atacaatgga gtgctattca 240
gccataaaat aaaatgagat cctgtcatct ggaataacat ggatggaact gaaggacatt 300
atgttaggtg aaataagcca ggcacagaaa gacaaaactt gcattgttctc attcatttgt 360
gggagtga aaataaaaca attgaactca tggagatagt ggagatgata gttaccagag 420
actaggaagg gcagtggaga tggttaacaa gtacaaaaat atagtaagaa taagatctag 480
tatattatag cacaacagag tgactacagt caacaatgta ttgtacattt aaaaataact 540
aaatagtata attggaatgt ctgtaacaaa aggaaggata aatgcttgag gtgatggaaa 600
cctcatttac cctgatgtga ttattatgca ttgtatgcct gcatcaaaat atctcacgta 660
ccacataaat ataccggcta tatagccata aaaaataaga 700

```

```

<210> 1503
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1503
gtgactacag tcaacaatgt attgtacatt taaaaataac taaatagtat aattggaatg 60
tctgtaacaa aaggaaggat aaatgcttga ggtgatggaa acctcattta ccctgatgtg 120
attattatgc attgtatgcc tgcatacaaaa tatctcacgt accacataaa tataccggct 180
atatagccat aaaaaataag aataaaactt tttttaaaaa aaagaattcg gccgggcgcg 240
gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcgggcggat cagcagggtca 300
ggagatcgag accatcccgg ctaaaacggg gaaaccccggt ctctactaaa aatacaaaaa 360
attagccggg cgtagtggcg ggcgcctgta gtcccagcta cttgggaggc tgaggcagga 420
gaatggcgtg aacccgggag gcggagcttg cagtgaagcc agatcccgcg actgcactcc 480
agcctgggag acagagcgag actccgtctc aaaaaaaaaa aaaaagaatt caaatcttgg 540
acatctgtag tgttcagaga cagcactttt aaccatgtat tatggacttc tgaggctttt 600
taaaaaaggt aaaacttatc atgttggact tttatacaaa gtccaatgtc ttgcttttaa 660
tatccatttt tattttttcca tcacaaccaa cttatcttat 700

```

```

<210> 1504
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1504
gactccgtct caaaaaaaaaa aaaaaagaat tcaaaatctg gacatctgta gtgttcagag 60
acagcacttt taaccatgta ttatggactt ctgaggcttt ttaaaaaagg taaaacttat 120
catgttggac ttttatacaa agtccaatgt cttgctttta atatccattt ttattttttcc 180
atcacaaaca acttatctta ttccaaatag aagtttttgt gatttttttt tttttttttt 240
ttttgagaca gggctctctt ctgtcaccca cgctggagtg cactggcaca atcttggtc 300
attgcaaccc gccacgggct tctgagtagc tgggattaca ggtgtgtgct accacgcca 360
gataattttt gtattttttt gtagtgatgg ggtttcgcca tgttgcccag gttggtctca 420
aactcctgga cttaagcaat ccaccactt tggactcca aagtgttagg attacaggcg 480
taagccacta agcctggcaa aataggtttt taccaacaaa aatctgtttt gatttgtgtc 540
tcttcaaata aactataata tccttgctag aagttactgg atctcctatt ccttaatgct 600
caatgaatgt ttgataagtc tattagatac acagcatctg ttgttaaaga actaagaaaa 660
actaaaaagt cccctaaagg cataaatgag gtagctgaga 700

```

```

<210> 1505
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1505
aaataggttt ttaccaacaa aaatctgttt tgatttgtgt ctcttcaaat aaactataat 60

```

```

atccttgcta gaagtacttg gatctcctat tccttaatgc tcaatgaatg tttgataagt 120
ctattagata cacagcatct gttgttaaag aactaagaaa aactaaaaag tcccctaaag 180
gcataaatga ggtagctgag aagactaaaa agaattatta aaggcaaaaa aaaccaaaaa 240
acaaaaaaca aatatatgta tgtgtagtct actgggcaag aattccttaa gttttgctta 300
tgttcttggt tcagcacctt aaattccaag actaaccact ttaaactgct ggatctaata 360
tctaggagag atggcaatat tcaaagaagt taaaaacaa aagttctcat ttggtgcagg 420
catataattc tatgagccat tttggacca gggaacattg taatgttaac gtaccactc 480
acaatgaaat gggacaaaag atatatccat ggaatactct caaaaaattg ttttaaaagt 540
taaacttaat ctaacaaaaa tcttagtata atttatTTTT aaaaaataac atgttaattg 600
gctcactccc aatatttcac agtaaattgga tctaatttgt cttacatgat tacgtacttc 660
ctaaaacttg tatatgcca aaatatgcct aggcaattct 700

```

<210> 1506

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1506

```

gatatatcca tggaaatactc tcaaaaaaatt gtttttaaag ttaaacttaa tctaacaaaa 60
atcttagtat aatttatttt taaaaaataa catgttaatt ggctcactcc caatattttca 120
cagtaaattg atctaatttg tottacatga ttacgtactt cctaaaaact gtatatgcca 180
aaaatatgcc taggcaattc tgggaccacc tttgttatca tctaacta aaaaagtcct 240
cactactgaa ccagagttct cctgtcttcc tgagccctgt ggtctgaatg ccactgctca 300
ggttgggtctg ttgactatgc tgtatctgac cagaagtctt agaagagaag ctctctgtgt 360
aactctctta gtgctaagga agatatttgc cattctggaa aaaacaacca ccacaaaaat 420
ctaaggtaag taataattct cctgccacaa atgaacagaa ctactagata gacttataac 480
aaaacttatt ttaaattcat agttgagctc acaagaaaga aagggaatc cctacataat 540
agaaacgaag atagaagtga aaaccagacc agtcagtatg taacctgaca gacaaactaa 600
acttgggggtt attattatta ctgttattgt tagttttgag acagagtctc gttctgttgc 660
ccaggctgga gtgcagtggt gcaatcttgg ctcactgcaa 700

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<210> 1507

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1507

```

tagttgagct cacaagaaag aaagggaaat ccctacataa tagaaacgaa gatagaagtg 60
aaaaccagac cagtcagtat gtaacctgac agacaaacta aacttggggg tattattatt 120
actgttattg ttagttttga gacagagtct cgttctgttg ccagggtgg agtgcagtgg 180
tgcaatcttg gtcactgca acctctactt ccagttcaa gcgattctcc tgcctcagcc 240
tcctgagtag ctggcattac aggtgtgcac cactacagcc agctaatttt tgtatttttt 300
ttagtacaga cggggtttca ccatgttggc caggctggtc ttgaactcct cacctcaagt 360
gatccgcca cctcggtctc ccaaagtgct gggcttacag gcatgagcca ccgtgcccag 420
ccatgaactt ggcgttattg tttttataac ctagggttg gttcttatca tccaggacag 480
aagatgaagg ataggacca agtaagggaag aagattagaa gtgactccca acacacaaaa 540
aatgggactc ttcaagagct ataacatcaa tcctcaatga aagagtggaa aattaatgag 600
ttgaaaattc aaagtcttgg gcaaagtctt tatatagttt tgggggttcaa agttatgcta 660
ccagtgaagta tagtctagga acctaccaac taagaaatta 700

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<210> 1508

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1508

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aagtaaggaa gaagattaga agtgactccc aacacacaaa aaatgggact cttcaagagc 60
tataacatca atcctcaatg aaagagtggg aaattaatga gttgaaaatt caaagtcttg 120
ggcaaatgct ttatatagtt ttgggggttca aagttatgct accagtgagt atagtctagg 180

```

aacctacca	ctaagaaatt	aacaaaaacc	ctacatgcag	gccaatgttt	tctctggagc	240
tcttagttaa	tataaaaacca	aaatctctgt	gtagatggac	ctctacaagg	aaaggtcaca	300
agggagtctc	atagaaaaaa	caacactact	aaagataagc	acacaattaa	atgttaataa	360
aacacagaaa	cttcactagg	ggatagaatc	aacatacaaa	acagcagaag	cagactcctc	420
aaaatgtgaa	attaaaaaat	aacaatctga	aagagaatat	aaaatgtgta	tagttaaaat	480
gagtaaagac	acattcaaga	aggaatcaaa	atactaagga	agaaaatata	tcataagcct	540
ggcacagtgg	ctcacatctg	taatcctagc	actttgggag	gcctaggtat	aaaatgtgta	600
taaaatgagt	aaagacacat	tcaagaagga	atcaaaatac	aaaggaagaa	aatacatcat	660
aggcctggcg	cagtggctcg	catctgtaat	cctagcattt			700

<210> 1509

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1509

aaggaatcaa	aataactaagg	aagaaaatac	atcataagcc	tggcacagtg	gctcacatct	60
gtaatcctag	cactttggga	ggcctaggta	taaaatgtgt	ataaaatgag	taaagacaca	120
ttcaagaagg	aatcaaaaata	caaaggaaga	aaatacatca	taggcctggc	gcagtggctc	180
gcatctgtaa	tcctagcatt	ttgggagacc	taggcaggag	gatcgcttga	ggccaggagt	240
tcaagaccag	ccggggcaac	atgacaaaac	cccatctgta	ataaaaatac	aaaaattagc	300
cgagtgggtg	catgcatctg	taattccagc	tatctgggag	gctgaggaat	gagaactgct	360
tgaactcagg	aggtggaggc	tgcagtgagc	cgagatcatg	ccactgcact	ctagcctggg	420
cgacagagcc	agactctgtt	ttaaaaaaa	aaaattataa	aaaaaccatg	tgagtttctg	480
aaaaagaaca	aaatagaact	tatagaaaaa	aatggaggaa	aaaatgacaa	ctcaataggc	540
agtataagta	gcagctaaat	aattttattt	acaagatatt	taccagagc	ccagtatatg	600
caagaggggt	taagcaatgt	agaggaaaga	ggagggttatg	tctaataaaa	agtgaagaag	660
gggaaaatag	tgagaaatgg	agaaagaata	atatttgaag			700

<210> 1510

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1510

ttatagaaaa	aaatggagga	aaaaatgaca	actcaatagg	cagtataagt	agcagctaaa	60
taatttattt	aacaagatat	ttaccagag	cccagtatat	gcaagagggg	ttaagcaatg	120
tagaggaaag	aggagggttat	gtctaataaa	aagtgaagaa	ggggaaaata	gtgagaaatg	180
gagaaagaat	aatatttgaa	gagataatgt	atgaaaaatc	cccaaaattg	atggaagata	240
tcaatcctca	gatcaaaaag	cataatttat	gagcagaaga	actaaagctg	agtctagaca	300
cactattata	aaaatacaga	acactgaaga	caaagggaaa	aatcctaaga	gaaccagggg	360
aaaaaggcag	attactttta	aaggaataat	taaaatgatt	tctcaactgt	aaccatagag	420
gccaacaaaa	aatgaaatat	tttcaaagt	ccaagagAAC	aaaactgtca	atctagaact	480
ctatgctcag	ctaaactatc	aaattaaggg	gaaaaacttc	tcaaagactg	attgtttacc	540
actaacagtc	attcactgaa	aaaactattg	aagaatatac	tccaaaaaaa	gaaaactgaa	600
cctaaagaag	ggaggagtgg	gatttataaa	gcaagaatga	acaaagaaat	tgggaaacat	660
gcgggcttat	gaaaccacca	caataattat	tactcatttg			700

<210> 1511

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1511

caaattaagg	ggaaaaactt	ctcaaagact	gattgtttac	cactaacagt	cattcactga	60
aaaaactatt	gaagaatata	ctccaaaaaa	agaaaactga	acctaagaa	gggaggagt	120
ggatttataa	agcaagaatg	aacaaagaaa	ttgggaaaca	tgcgggctta	tgaaaccacc	180
acaataatta	ttactcattt	gtgatgattt	aaaaacaagg	taaaactaaa	atattagaca	240
aaagaaataa	tgcagatgag	agaagataat	tagtattcag	gaaaaagata	aaacaattca	300

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cattaaagct atggttttta aactttgatg tgcacagaa tcacccaaaa tgtctgtcaa 360
aaatagactg ctggggcccta cctctcaa atttgatcga ggtctggggt agaagctgag 420
aggcatttct aacatgttcc aaggtgatac tgataatggt gctccacgac cactttgaga 480
actaatgcat atgattttta gtcaataaag tatttaaaaa ttaaaaagta aacactcaaa 540
taactaaagt agaatacaac cgatccttga acacagggtt gaaccatgtg ggtctatgtt 600
tatgtagatt ttcttccacc tctgccatcc gagacagcaa gactgacccc tcctcttctt 660
cctcctcctc ttcaatgtga agaggacaag gatgaagacc 700

```

<210> 1512

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1512

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agtcaaataa gtatttataa attaaaaagt aaacactcaa ataactaaag tagaatacaa 60
ccgatccttg aacacagggt tgaaccatgt ggggtctatgt ttatgtagat tttcttccac 120
ctctgccatc cgagacagca agactgaccc ctctctctct tcctcctcct cttcaatgtg 180
aagaggacaa ggatgaagac ctttatgatg attcatttcc acttaacaga aaatatattt 240
tcccttataa ttttttcttg tctccagttt actttattgt gaaagaatac tgcataata 300
acacataaca tacaaaatat atgttaatca actgtttctg ttatcagtaa ggcttccagt 360
caacagtagg ctattagtag ttaagttctg agggaaatcaa aagttatatg tggatttctg 420
actgcgtggg gggcttagtg tccctaattc ccatgttata tgggtcaactg gataacccaa 480
agaagggaag aaggaggagt caagaaaaat aaatccatct caaaaaggca ggaaaggaaa 540
aaaagatggc agaaataaat ccaactcaat tgagtaatca gaatgaatat gaaaggccta 600
aattcactgg ttaaaagaca gacatacact ggataaagaa aattctgcta tatgtaatta 660
agatggtgag agaaatggca cagagataga caaagtgatg 700

```

<210> 1513

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1513

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tcaagaaaaa taaatccatc tcaaaaaggc aggaaaggaa aaaaagatgg cagaaataaa 60
tccaactcaa ttgagtaatc agaatgaata tgaaaggcct aaattcactg gttaaaagac 120
agacatacac tggataaaga aaattctgct atatgtaatt aagatgggtg gagaaatggc 180
acagagatag acaaagtgat gaattaagta gaacagagaa cccaggccaa cccaggcaca 240
tagggaattc tgatatatga cagaaatgac actgtaggct actgagagaa ggatagtcta 300
caataaatag agccaagaca accagttatt cataacggaa aaaattcaac ttagaattaa 360
atacttaaat gtacttacat gtgaaaggca aaatttataa cttttagaca aaaatataga 420
agtagggcgt ggcagctcac gcctgtaatc ccagcacttt gggaggccaa tacagggtga 480
tcacgaggtc aggaaatcga gaccatcctg gctaacacgg tgaaaccca tctctactaa 540
aatgcaata aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 600
gctgaggcag gagaatggcg tgaacctggg aggcagagct tgcagtgagc cgagatggcg 660
ccactgcact ccagcctggg cgactgagtg agactccgtc 700

```

<210> 1514

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1514

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agaccatcct ggctaacacg gtgaaacccc atctctacta aaaatgcaat aaaattagcc 60
gggcgtagtg gcgggcgcct gtagtcccag ctactcagga ggctgaggca ggagaatggc 120
gtgaacctgg gaggcagagc ttgcagttag ccgagatggc gccactgcac tccagcctgg 180
gcgactgagt gagactccgt ctcaaaaaaa aaaaagatat atctctctct ctctctctct 240
atatatatat atatctttat atatatatat ctttatatat atatatatag agagagagag 300
agagagagag gagtagagag agagagagag agagagagag aggagtaggg aaggatttct 360
taacaagaca cacaaagagc taaccagaaa aggctgctaa attcaactaa ctcaaaatca 420

```



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aatccagtggt catcaaaaaga tgctaagtaa aaaagataag cataatgttt gaaaagacat 480
ttgtaataca tataactgaa aaggaattga aatgcagaag agataaaagaa cacattttaa 540
tcaataagaa aagaccaata gggccaggaa caatgcctca cacctgtgac ccagcactt 600
tgaggaggccg aagtgggagg aatgcctgag ccagaggagt tgagggttaca ctgaactatg 660
attgcaccat tgcactctag cctagggtgac aaagagagag 700

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<210> 1515

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1515

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aaaggaattg aaatgcagaa gagataaaga acacatttaa atcaataaga aaagaccaat 60
agggccaggga acaatgcctc acacctgtga cccagcact ttgggaggcc gaagtgggag 120
gaatgcctga gccaggagt ttgagggttac actgaactat gattgcacca ttgactcta 180
gcctagggtga caaagagaga ctctgtccca aaacacacaa aaagacaaga ctaataatgt 240
ataaacaacg attcatcatt ttaaacctat gaggttggca aacattaaga aatttataaa 300
accaatgtca gaggatccat caaataaacc cttatatact gctagtggta taaatcagta 360
gtcatttctg gaaaacaata ttattttgta aaattgagca tactccaca tgcactccca 420
caaatataac cttatacctt tcctccagaa gacatgacaa gacctggaaa aaaaccccaa 480
atgtccatct gtaggagaat gaatgcattg tgggtctatt ccatagtaga ttatgtacat 540
cagtgaatga gaatcaacta cggccataaa caacatggat aaacaaaagc aaatccaaat 600
aaaaaagcaa gtccatagaat atcatatcat ttttaaaaag ctcaaaatat gacatatata 660
tgataaaact gtttttttaa aaagcagaga aagtaaaaat 700

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<210> 1516

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1516

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tgaatgcatt gtgggtctatt cccatagtag attatgtaca tcagtgaata tgaatcaact 60
acggccataa acaacatgga taaacaaaag caaatccaaa taaaaaagca agtcctagaa 120
tatcatatca tttttaaaaa gctcaaaaata tgacatatat atgataaaac tgttttttaa 180
aaaagcagag aaagtaaaaa tctttgtcac tgggttatagg gaatggggat gacagaaggt 240
tgagataaga agggagcatc taagtggatg ccaatcagtg ataatggtag attgggttaga 300
gggaggtagt atcatgaata ctctagata ttaatatgct ttatatctta acttcataac 360
ttaagctagt gtgtgtttac atacatacat acatatattt tccaatccat ggtatacata 420
aaataccata tttaaagaga aaaaatgagg ggctgggcgc agtgggtcat gcctgtaatc 480
ccagcacttt gggaggccga ggcgggtgga tcacctcagg tcaggagttc gagaccagcc 540
tgancnecat ggngaaaccn ngctctact aaaaatacaa nnattagcnn ngcgtggtgg 600
cangcnctg taatnccagn tacttgggag gntgaggcag nnaatcnnt tgaaccggg 660
aggcagaggt tgcagtgagc ngagatngtg ccattgcact 700

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<210> 1517

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1517

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nngtctctac taaaaatata annattagcn nngcgtggtg gcangcncct gtaatnccag 120
ntacttgagg ggnrtgaggca gnnnaatcnn ttgaaccggg gaggcagagg ttgcagttag 180
cngagatngt gccattgcac tccagcctgg gnaacaanag tgaaactctg tctcaaaaaa 240
nnntaaaann nnaagaaaaa aaagaaaaan annnnanaan ngnnnnannaa nnnannttnn 300
nnnatntnaa ntgcantann naaatcccca gtctaatact tactggtcaa gagtcttata 360
ataaatatcc agatccttgt tcacaagttc tgttgtcctc ataacaatca tcatttctct 420
atacttttcc tcagcatccc gaaattgtgg ttctcgaagt tctttcttaa aatgaataat 480
ttcttcttca taacctttct gtcgccctaa tgccaaatta tgatttcttt ttatattgtc 540
tatgttctct tccaacttct gatgttcact gtaaaaaaga aaaatgacaa atgaggacca 600
tttttttagt ttttaacaacc tgaagtggaa aagtcataga tttctttaga taggtaagt 660
atcattctcc ttagcaatca gtatattata acagagtctc 700

```

<210> 1518

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1518

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tgtgcccta atgccaaatt atgattttct tttatattgt ctatgttctc ttccaacttc 60
tgatgttcac tgtaaaaaag aaaaatgaca aatgaggacc attttttagc ttttaacaac 120
ctgaagtggg aaagtcatag atttcttttag atagggttaag tatcattctc cttagcaatc 180
agtatattat aacagagtct ctctctgctt attatttagg gctttggtac taaagaaaac 240
ccctctcttc cttccatata tctgccgcac atagggttgt aaatagctaa ttttgtgtat 300
tacagaaccc tcatagcatg tgatcactga taaagtctct ggcctttaga cgctaagtaa 360
agcactctgg tgattaatat tacaatttca caatcttctg attgtgaact gagaatgcac 420
aattatcaac actaagaagt tatggataac aggcttcac atcattttgc tcatgtcaaa 480
ggcacataac gaattaaatc atatatattt tttctgcagt aatacttatt aaaaatttag 540
attcctccat gaaaacaaaa tttctcttgc acaagtgtaa aaaccataat aatgaccaa 600
aaagtaaaat attcaaaact ttctgatatt ttggcagatt atacaaattt caatgtatgc 660
tttaaaaatc ttcattttatt tattatcact tattaagcat 700

```

<210> 1519

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1519

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catatattaa ttttctgcag taatacttat taaaaattta gattcctcca tgaaaacaaa 60
atttctcttg cacaagtgtg aaaaccataa taatgaccaa aaaagtaaaa tattcaaact 120
tttctgatat ttggcgagat tatacaaaatt tcaatgtatg ctttaaaaaat cttcatttat 180
ttattatcac ttattaagca tctctttatg tgtcaggcac tactctcaag cttatgggca 240
tccttacaga gtcgactgga ttacaagtct tgttggcatt tctgttatgt cctggttgaa 300
gaaacgtttg aaaaatagtt gtacttagta atgtgaatga atgtaaaaag tactgttatg 360
taccaattac agaagaaatt ttttaaatac ctgggttttg tcttttagtag ccacgaatat 420
attattttat atcaaaattt cttctagaag cattactttt ccaacttgcc atggagagta 480
tcgtgtaaaa gaactgaggg ttgggaacta ggatattagg gtcacattct tggctttcat 540
cataatttcc tctgtgattt ttctgggtct aagtgtgcat aatgcataca aaaatgaaga 600
ctctgaagat gatgagctct tctagttaaa aatctgattt ccctgatata ggaaagagat 660
tttaaatagc taagagtact taaccaaacc acaggattaa 700

```

<210> 1520

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1520

```

cttgggaact aggatattag ggacacattc ttggctttca tcataatttc ctctgtgatt 60

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tttctgggtc taagtgtgca taatgcatac aaaaatgaag actctgaaga tgatgagctc 120
ttctagttaa aaatctgatt tccctgatat aggaaagaga ttttaaatac ctaagagtac 180
ttaacaaaaa cacaggatta accatttggt aggctttata aattaaaatt cactttacta 240
tatccttttag aaaagcctgg gcattttttc attcagattt ctgtataaat tcaagaagac 300
atgaaaactc tacaaggaag ggtttaataa atgagaggcc tggatttaac cagctgaggt 360
ggttgacaat ctaagtattt gcctagtaca accttttata ccagtctagt gccttagcat 420
caacaagggt cttacagaat tcctaaggca actaactcta aggcagtcaa ggcaggaata 480
aaatcttttc tgctgtacca ggaaggtagc aactacaata agtaacaata agaccagata 540
aaggaagaat gaggtctatc tttcaaaaga aatgctctgg tggacacata attacaaatg 600
agaaaatcta aaatgaatct ctgtggataa atcactctgg caacaactcc attgacaata 660
ttatagactg tacaagctct gaccagaca aggtccacag 700

```

<210> 1521

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1521

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aggaaggtag caactacaat aagtaacaat aagaccagat aaaggaagaa tgaggctcat 60
ctttcaaaag aaatgctctg gtggacacat aattacaaat gagaaaatct aaaatgaatc 120
tctgtggata aatcactctg gcaacaactc cattgacaat attatagact gtacaagctc 180
tgaccagac aaggteccaca gctccatatt ctttatgctt agtaccacta ttctgtgcag 240
caggctagca gatgtatggg ggctaagcat gttcaatact gaataactaa ggcccatcac 300
tacagtgtga ttaccaattc tatatcactt cttcagtaat aaagtctcta aggccatgaa 360
atataattgt atcaaaacac tgttcacctt ctagtaactc tcaaaggata ccaggctgag 420
gctaaaattc ttttaaaaca ggtattttaat attcttcaca ttccagtaat aaagacgttt 480
atttaaactg aagattattt taaaagcata ccttttcatt tgcaaaacct gcatttgacc 540
catttccttc aaatgttgtt ttctttcttc ttcaacttct ttagttcctt catttccttt 600
tcttaaagta aggttatctt gtagccacct ttcttgtatc taaaggtaaa cattaaatta 660
gttaacaaaa ataaccaagt tactaacatg aaatctgtaa 700

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<210> 1522

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1522

```

ttaaagcat accttttcat ttgcaaaacc tgcatttgac ccatttcctt caaatgttgt 60
tttctttctt cttcaacttc ttttagttcc tcatttcttt ttcttaaagt aaggttatct 120
tgtagccacc tttcttgat cttaaaggtaa acattaaatt agttaacaaa aataaccaag 180
ttactaatat gaaatctgta acaggcaact ggtgacagca agtgccattt ctgtcttact 240
tagaatcatg tgaaattcaa cagagggaga ataagccagt gtgaaggaat ctacaggctc 300
ggggcaatct ggatggccca tccccatcca cagtgaacaag tgtaatacct cctgtagcgc 360
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tctcataaag atttgagcat atatctgtgt acttatttac ttataaagta ttaaaaacat 480
acaaaacaga catttttaaat ggtgaaatta aaaatataac tagatatatt aatacctaca 540
tccccagtgg atcattttgc ataggaaccc catgataaag cctactgacc tgaaagatta 600
taagagatca atactactac tgaagtcttc cccaactttt tcgtcctagt tctgtctccc 660
aacatgtacc aagaccatta gaacctgtta ggtatatgtt 700

```

<210> 1523

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1523

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tggtgaaatt aaaaatataa ctagatattt taatacctac atccccagtg gatcattttg 60
cataggaacc ccatgataaa gcctactgac ctgaaagatt ataagagatc aatactacta 120
ctgaagtctt cccaactttt ttctgtctcc caacatgtac caagaccatt 180

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agaacctgtt	aggtatatgt	tacctgcaac	ttctaccttt	aggttgacaa	attgtaatca	240
ctcaaggcag	taagaagtgc	cacaatagta	gcataatatc	atgaacttgg	tacctcctta	300
gccaccgaaa	tgaaatttca	aaaaattggc	tgttcttggt	gagtagtttt	gtccttcaaa	360
agagactcaa	taacacttag	cagcagcagc	aacaacaaca	aaattatttc	agtgggtttc	420
ctggtgatta	aatgaacta	tggtgtcaag	agacaatcat	tagaaaacag	tttttaagtt	480
gattccttgg	aatttagagg	aaaaaaaatt	tctgcagaa	agaaggggtga	tttggccac	540
aatcatgtg	tatagaaac	ttattctgaa	tttggagtaa	ggatttctca	aagagggagc	600
tgggacctc	ctgcaatagc	ccttgagct	aagctaaact	cagtgcacatg	ggaagtgaga	660
gagatggaca	gacctgtggc	aatatcttgc	accaacagta			700

<210> 1524

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1524

gaaaaaaaaat	ttcctgcaga	aagaaggggtg	atttggccca	caaatcatgt	gtatagaaaa	60
cttattctga	atttggagta	aggatttctc	aaagagggag	ctgggacct	cctgcaatag	120
cccttgacg	taagctaaac	tcagtgcac	gggaagtga	agagatggac	agacctgtgg	180
caatatcttg	caccaacagt	aaaggccagg	gactggtaga	tgagagaggg	aatcaagga	240
tttctctcac	atgcttaatg	ttcatatcca	atcctgcccc	tctatgcgtg	actattttta	300
gagttttttt	tttctttttt	aacagtcaca	aagtaaggct	actttcattt	ttcctggaaa	360
taatataaac	atacaattta	tccacagggg	ccacatctac	ggattcaact	aacctaggat	420
caaaaatatt	ggggaaaaaa	aataaaaagt	aatagtacaa	taaaaaata	caaattttaa	480
ataatacaat	ataaaaacta	cgtatcattt	acatattaat	atcaaaaagca	atctagagat	540
taaagtatat	cagaggatat	ggataggcta	tatgtaaaca	ctagatatgc	cattttatat	600
aagggacttg	agcatcctag	atttcgggtat	ctgtttttatc	gggggatcct	ggaaccaatc	660
cctcccagag	ataccgagac	aactgaatat	gtatctacta			700

<210> 1525

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1525

acgtatcatt	tacatatata	tatcaaaagc	aatctagaga	ttaaagtata	tcagaggata	60
tggataggct	atatgtaaac	actagatatg	ccattttata	taagggactt	gagcatccta	120
gatttcggta	tctgttttat	cgggggatcc	tggaaccaat	ccctcccaga	gataccgaga	180
caactgaata	tgtatctact	aaaggcatta	ttataggcag	ttaaagggtga	ctaaaatgac	240
atgggtataa	atgtcctttg	ttgctaaagc	aatctaattg	accactgtag	ctgggtgtgac	300
ttaccaagggt	tctactatgg	ggtactatgc	ttgttgttcc	ttattaggaa	caaggggaatg	360
tgctactgct	tacttttcac	taatacccca	gaacatttga	atttgttttc	acaattgcat	420
gaaaggactc	tttaaagtgc	tatcacattt	ttagatgaga	ctgatttttg	gcacaaaata	480
ttgttgctgg	tctgtctacc	tgcatgttta	ccagacagct	aggcatttct	ttgttttagg	540
tcagcttcca	ttattcttct	agttttgaaa	gacagtatat	accacatcaa	gagtgtaatg	600
ctttgaagtc	agatacatct	aggctcaaat	cacagtgtta	ttacttttaa	actggataac	660
tttgggcaaa	ttagttttaa	ttctctgaac	ctcagtttgc			700

<210> 1526

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1526

ctgcattgtt	accagacagc	taggcatttc	tttgttttag	gtcagcttcc	attattcttc	60
tagttttgaa	agacagtata	taccacatca	agagtgtaat	gctttgaagt	cagatacatc	120
taggctcaaa	tcacagtgtt	attactttta	aactggataa	ctttgggcaa	attagttaa	180
attctctgaa	cctcagtttg	cttataacat	ggtcaataat	gatactatct	atcataaaga	240
actattgtgt	ggccgggcgt	ggtggctcat	acctgtaatc	ccagcacttt	gggaggccaa	300

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ggcagatgga ttacttgagg tcaggagttc gagatcatcc tggccaacat agtgaaaccc 360
cacctctact aaaaatacaa aaattagcca ggcctggtgg cactcgctg tagccccagg 420
caggttgagg caggagaatc acttgaaccc gggaggcgaa tgttgcaagt agccgagatt 480
gtgccactgc actccagcct ggggtgagaga gcaagactcc atctaattta aaaaaaaaaa 540
aaaaaaaaaa aagactattg tgaagattaa aggaatgagt gtatgtaatc agtatagtgc 600
ctgactcaat aattgctaataaaaatgcctt ttgggtcaaaa tttgtccttt gtactgtaag 660
cagtgagaat tccaattata gtctacaaaa tgtatcagag 700

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<210> 1527

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1527

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tgggtgagag agcaagactc catctaattt aaaaaaaaaa aaaaaaaaaa aaagactatt 60
gtgaagatta aaggaatgag tgtatgtaat cagtatagtg cctgactcaa taattgctaa 120
taaaatgcct tttgggtcaa atttgtcctt tgtactgtaa gcagtggaga ttccaattat 180
agtctacaaa atgtatcaga gaaaggaagg gaaaaaaat cagatgcagt tatagtatac 240
cacaaatggt tttccattct actagaaatt tgatagtgtg ggggccagtt ctacctgtta 300
ctactttttg tgaccttgga caagtcaggt cacctacagt tctcttcata tattccttca 360
gctgaaaact gagaaaggca gttaagtttc caaattattt tattctgtgg actaaattta 420
gcagggttta aatcagtagc taaataagtg actgttaggc tcctcagctc ttaaatatta 480
acccaatca tccaactcag atgacagtta atgcatgcag ctggtcacct atggaaacat 540
aaaaattagc tgcattctag atacctgtga gagagtggca tgctgaacag attacagtcc 600
aatgtccacc aaaagtctag ctgggaataa caccacttct acaagactgc ctgaaagcta 660
tgcagtccat ccagtgtctg ctcagttatt gacagctaaa 700

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<210> 1528

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1528

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gatgacagtt aatgcatgca gctggtcacc tatggaaaca taaaaattag ctgcattcta 60
gatacctgtg agagagtggc atgctgaaca gattacagtc caatgtccac caaaagtcta 120
gctgggaata acaccacttc tacaagactg cctgaaaagct atgcagtcca tccagtgtcg 180
gctcagttat tgacagctaa agggataat tagaacctct aaggaaattt aacaaaacac 240
acatatctct gcccaaacc ccaagattct gatttactgg tgtggattgg agacatagac 300
atatatatat atatatTTTT tgagacaggg tcttgctctg ttgcccaggc tggagtgcag 360
tggcgtagta agggctcact gcagccttga actccccagc tcaagcaatc ctcccacctc 420
agcctcctga gtagtgtgga ctacaggtat gcaccatcac acctggctaa tttttttgta 480
gagatggggg ttcgccatat tgcccaggat agtctggaac tcccaggctc aagcaatctg 540
cccgcctcgg cctcccaaag tgctaggatt acaggcatga gccactgtgc ccggccaaca 600
catgtatttt taataaccta agtcattttt taaaaactga gatgtaatta atattccaca 660
aaattcactg tttaaacgtg tacaatttag cagttttact 700

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<210> 1529

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1529

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ttgcccagga tagtctggaa ctcccaggct caagcaatct gccgcctcg gcctcccaaa 60
gtgctaggat tacaggcatg agccactgtg cccggccaac acatgtattt ttaataacct 120
aagtcatttt ttaaaaaactg agatgtaatt aatattccac aaaattcact gtttaaacgt 180
gtacaattta gcagttttac tttatttaca aggttatata accatcacca ctatccaatt 240
ccagagcatt tgatcatccc aaaaggaaat ctcatattca atagcagtca ctctattcct 300
tcctcacctc tagccccctg gaaacattaa tctgtgtgta ctggatttac ctaatctgta 360
catttattat aagtggaaatc gtacattatg tgaccttttg tgactggctt cttttgctta 420

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gcatgtttta aggggttcatt catgtggttag catgtatcct ttttatggct gaataatatt 480
ccattgtatg ggtataccac attttgttta tctgatcatc agttgatggc catttgggtg 540
tgtccatatt ttgactatta caaataatgc tgctatgagc attcttgtagc aagttgttgt 600
gggaacatat gttttcaatt ttcttagttc tataacctaga agtggaaaaa ctcagacgat 660
ttacaggtgc ccctagctaa gaacctttgc tttctaaaca 700

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<210> 1530

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1530

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cattttgttt atctgatcat cagttgatgg ccatttgggt gtgtccatat tttgactatt 60
acaaataatg ctgctatgag cattcttgta caagttgttg tgggaacata tgttttcaat 120
tttcttagtt ctatacctag aagtggaaaa actcagacga tttacaggtg cccctagcta 180
agaacctttg ctttctaaac attaacattt acttcaggct tcaatcatac caccctctac 240
agaacctcgt atcaaggaat aatgatgctg agatacactg tatttttttt aaagccctgc 300
gaagtctgtt gaagactata catgtcttcc tttctatgaa tagagacatt atcctgtagt 360
cagtatagga aactggtttt ctttttagcat tgacacaatg tgaatcttga ctaattgtga 420
cttttttttt tttttttttt tttttaagac ggagtcctggc tctgtcaccc aggcctggagt 480
gcagtgggtgc gatctcggct cactgcaagc tctgcctccc aggttcacgc cattctcctg 540
cctcagcttc ctgagtagct gggactacag gcgccacca ccaggcctgg ctaatttttt 600
gtatttttta gtagagacgg ggtttcggcg tgtagccag gatggtctcg atctcctgac 660
ctcgtgatct gcccgcttg gcctcccaa gtgctgggat 700

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<210> 1531

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1531

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tcaactgcaag ctctgcctcc caggttcacg ccattctcct gcctcagctt cctgagtagc 60
tgggactaca ggcgcccacc accaggcctg gctaattttt tgtatttttt agtagagacg 120
gggtttcggc gtgttagcca ggatgggtctc gatctcctga cctcgtgatc tgcccgcctt 180
ggcctcccaa agtgctggga ttacaggcgt gagccaccac gcctggctgt ttttgtttct 240
gtttgtttgt ttgtttgttt gagacggagt ttcactcttg tcaccaggc tgaagtgcaa 300
tggtgtgatc tcggctcact gcaatctctg cctcccagg tcaagcgatt ctctgcctc 360
agcctcctga gtacctggga ttacaggcgc gtgtcaccac acctggctaa tttttctatt 420
ttcagtagag atggggtttt accatattgg ccaggctagt cttgaactcc tgacctcagg 480
tgatccgtct gccttgacct cccaaagtgc tgggattaca ggcagtagtc actgcgctg 540
gcctcctctc tttatttgac tactagaatc ttcagcaagc atatcagact tcatgcatac 600
tttttataca cttctctcct ggtttcatta ctttcttgcc cttattttta cactgccttg 660
ttttccatt aatttgaat acatttatct ttgctctatt 700

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<210> 1532

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1532

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tcccaaagtg ctgggattac aggcattgagt cactgcgcct ggctcctctt ctttatttga 60
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tggtttcatt actttcttgc ccttatttct acactgcctt gttttcccat taatttgaaa 180
tacattttatc tttgctctat tgtatataac taagtaaata atttctggaa caaggaagg 240
tacaaagtaa actaatacca tcagatccac taagtttaga ccatcacttt aaaaggggtc 300
atagatcatt aatcttaaca atttcgtata tatatacaga gagctgctgc gaatttacag 360
attgtgattt ttatataggc aactacataa aagctagtga taattatttt gttatatatg 420
catcataaat ttatacagtt attcaatatg tattaggcca ggcagagatt tgatctccct 480
ttgactgata tttcatatat ttgaaattct tgggtggtaca gaaagagacc cagcagaaaa 540

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ctaattgtaac taatctttcca aatgattttta agcaaccact tataaccaag tggttaaggc 600
attcaaataag taaatttttgt ttaaaacagt aagaacagag aaatggtata gtttttaaaag 660
gcattaacta ccatgcttgc ataaagcatg tgatgatggc 700

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<210> 1533
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1533
tttgaaattc ttggtggtac agaaagagac ccagcagaaa actaatgtaa ctaatcttcc 60
aaatgatttt aagcaaccac ttataaccaa gtggttaagg cattcaaata gttaaatttg 120
tttaaaacag taagaacaga gaaatggtat agttttttaa ggcattaact accatgcttg 180
cataaagcat gtgatgatgg cttcttaata tgattttgat tatactatag aaattaattt 240
ctttaataga gaaaataaat gatataggaa tcaactggaa aatgacttaa tatataaata 300
ttttccttac agattacttt caagattatt aaaccttaat ccgtcttttg tgaatttatg 360
ctacataaag atatgttaga ataagaaaag atacagatac atgttaaaga tgttcattgt 420
cacacagttt gtgataagga aatgaaatca atctgagtaa gtgctggtat atacacaaaa 480
tggactattt tataatcatt aaaaagaatg tgatacatct gtgagttgat aggtaaaatc 540
aaattatggt aagtgaaaaa aggtacagaa taacatgata cgaccccatc cataaaagta 600
aatttaaata tatatatata tatatacaca cacacctaaa tttatctacc tatctgctgg 660
tatatgaata aaaaacttct ttaagaacaa ataagtgtaa 700

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<210> 1534
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1534
taaaaagaat gtgatacatc tgtgagttga taggtaaaaat caaattatgt taagtgaaaa 60
aaggtacaga ataacatgat acgaccccat ccataaaagt aaatttaaat atatatatat 120
atatatacac acacacctaa atttatctac ctatctgctg gtatatgaat aaaaaacttc 180
tttaagaaca aataagtgtg acagttaatg acatgtagaa gtaagattga gaattaggag 240
aagggggagga acacttttat gccttttatgt tcgaactttt accatgagtc ttttactgaa 300
aataaaaaata aaaaataaat gaagtaagaa tgttattgga attatttttc tttacttttt 360
gcatttcttt tttagagacag agtctcgctg tgcgcccag gctagagtgc agtggtacaa 420
tcacagctca ctgcaacctc tgccctcccag gttcagggtg ttctcatgcc tcagcttccc 480
gagtagctgg gactacaggt gcgcgcgcgc acggccagct aattttttgta ttttcagtac 540
agacagggtt tcaactgtgt ggccaggctg gtcttgatct cctggcctca agtgatccac 600
ccgcctcggc cttccaaagt gcagggtatg cagggtgtgag ccaccacgct tggcctcttt 660
cctttttgca tttctattca atggatcttc tattgaaat 700

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<210> 1535
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1535
tgcgcgccgc cacggccagc taatttttgt attttcagta cagacagggt ttcactgtgt 60
tggccaggct ggtcttgatc tcctggcctc aagtgatcca cccgcctcgg ccttccaaag 120
tgcagggtat acagggtgtg gccaccacgc ttggcctctt tcctttttgc atttctattc 180
aatggatctt ctattgaaaa taaaactata gaaaagaatg tcatagggtg aagtgatatc 240
ataagcaaaa cagacctacc ttctgtgtat caatatcttg tctcatgagt ctcatatctt 300
catttatctt ttcttttgtt ttctgcgcat cacttagttg agctattact ttattaagtt 360
cagtttcttt ttgctacaaa aaagaaaatt ctttaagcac atgaataaaa atacaatcaa 420
ataaataaatt ttaagtttta aattaccttc ttatagtcgt ctttcccatc ttgaatataa 480
ttctcaatgt ctttcatata gccatgaata tttttaacct tctctttaat atcattcagc 540
tgtagaaaaa tattcattaa atttacactg gttgtactta agggcacata acaggagagc 600
acagtaaaac actggctggg aagttatgaa cattgggttc cagtttccac cactactgaa 660

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ttttatgatc gcagacaagt cccctttctca cctataggaa

700

<210> 1536

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1536

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agccatgaat atttttaacc ttctctttaa tatcattcag ctgtagaaaa atattcatta 60
aatttacact gggtgtactt aagggcacat aacaggagag cacagtaaaa cactggctgg 120
gaagttatga acattgggtt ccagtttcca ccactactga attttatgat cgcagacaag 180
tccctttctc acctatagga attgattaat tagtctcatt tcttaacttc tattgtagat 240
caagcagcaa aataatttac atcaaatcct tgttctaaca agaatttcta atgtcaaaat 300
tataccatga atctgaaaat actatttatc ttatgctatt taatttcatt tgaaataagt 360
gtccgcagtg gtgctatgaa cataagttta atacagatat ttgataagta aatatataaa 420
tgaaatctta ctttatcctg tgctatcttg ttgcttgatg ttttttggtt gattaattct 480
tctttttctt gctggaactt ttccaatggt gtttccaaag ggcttacctg ctcttttagca 540
tcctaaaaat ataaaaaaga taaagtatta tataatatcc cattatctta ctttaggggt 600
cagacttcac agtcttaata aaagcacttt ctatgtgcca ggctctaaaa gtcaactcat 660
ttgctccttt caatgacctt atgaggacag taccatcatt 700
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<210> 1537

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1537

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tttccaatgt tgtttccaaa gggttacct gctcttttagc atcctaaaaa tataaaaaag 60
ataaagtatt atataatatt ccattatctt actttagggg tcagacttca cagtcttaat 120
aaaagcactt tctatgtgcc aggtctctaa agtcaactca tttgtctcct tcaatgacct 180
tatgaggaca gtaccatcat tttcagtctt atatttcaaa cgagcaaaca gacacagaga 240
atgatttgct cagggtcaca acagccagta aatgaagcag ccaagatttt aaccagctcc 300
agctccagag ttcacgctct taaccactac gcatgctata ctgcatcaac cactaatttg 360
attcttaatc taggccaatgt gctcccaatt atattagcgt gtggcttcaa gcatgagttt 420
tcatgatatt ataggtgccc gtcactgctg catgatcaaa gaataggaaa gctcattcag 480
tcagactttt tctttttcag atgaaaacat gatggtaaaa acacttctgt ccttaagctt 540
agcctgctaa ggctacgcag atatttcatg gtaataaaag catactgtta aactaatgtt 600
gggtgtctcca caactatttt ggaaggaacg gggctttcaa gtaataaact attttactaa 660
atagaagtcc ccattattta gccttgtaac actaaatcta 700
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<210> 1538

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1538

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gatgaaaaca tgatggtaaa aacacttctg tccttaagct tagcctgcta aggctacgca 60
gatatttcat ggtaataaaa gcatactgtt aaactaatgt tgggtgtctcc acaactattt 120
tggaagggaac ggggctttca agtaataaac tattttacta aatagaagtc cccattattt 180
agccttgtaa cactaaatct acaacgtagt tatatgataa ccacagttca aaacagaggt 240
cctcaagcac tttaagattc tgaagtactg agtgaatcta tagaggtaga tacaattatt 300
tagtaattac ttcaatatag gtctatctta tcatactggg aagtggtagt gtgtgttagg 360
aagtcaaatg ccttcagtgt caaaagatct atcagaaaat caactctgct tcctattagc 420
tgcataaact taggcactca tgagacattt gtaaatctca atttttctat aaagagattt 480
catcatctaa atagggttgc tgaggcactg aatgggttcaa tgtcaaagtg ctttataaat 540
agtaaaaaat tatacagatg caagtactat tttatattat attctgaacc tctgatattt 600
tgtaatctaa aatttaataa aaatttatag taattattca gtaatatact tagtgcttat 660
tgaatgagta cgcataatta tataaaccta ggtaagattg 700
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<210> 1539
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1539
 ctgaggcact gaatgggttca atgtcaaagt gctttataaa tagtaaaaaa ttatacagat 60
 gcaagtacta ttttatatta tattctgaac ctctgatatt ttgtaatcta aaattttaata 120
 aaaattttata gtaattattc agtaatatata ttagtgctta ttgaatgagt acgcataatt 180
 atataaacct aggtaagatt gtttataact gtttataact gggtgagtc ttagatgtgat 240
 taatctatat aagggatgtc aaatgcattc cagtggcaac tgagtgcctg ctactgtat 300
 tggtaagggt tctgaaacca catccggaat caaatggaaa gagtgcctatg actgagagtg 360
 accgccatag ataaaggatc tgcagataag acaaacctcc tgtacaagca ggaatcctta 420
 tacagaatta accaaccacc acctgaccac ctccaataac atttactact taaccaggca 480
 gccagttctt ccttattatg gcaaactcct tcttcagaa atctttactt actagtacaa 540
 gttctatcac ttaggaacca cacaaataat tattatacca ttttcatttg atcctcataa 600
 tagctgggtt tcaaaggga tgcttccagt ttttgccat tcagtatgat attggctgtg 660
 ggtctgtcat aaatagctcg tattattttg aaatacatc 700

<210> 1540
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1540
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 acacaaataa ttattatacc attttcattt gatcctcata atagctggtt ttcaaaggga 120
 atgcttccag tttttgccc ttcatgtatg tattggctgt gggctgtc taaatagctc 180
 gtattatatt gaaatacatt ccatcgatac ctagtattt gagagcttt agcatgaagc 240
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 ctttggttct gttcatgtga tggattacat ttattgattt gcatatgttg aaccagcctt 360
 gcatcccagg aataaagccg acttgatcgt ggtggataag ctttttgacg tgctgctgga 420
 ttcggtttgc cagtatttta ttgaggattt ttgcatcgat gttcatcagg gatattggcc 480
 tgaaattttc tttttttgtt gtgtctctgc taggttttg tatcaggatg atgctggcct 540
 tataaaatga gttaggagg attcctctt tttctattgt taggaatagt ttcagaagga 600
 atggtaccag ctctctttg tacctctggt agaattcggc tgtgaatctg tctggctcctg 660
 gacttctttt ggttggcagg ctattaatta ctgcctcaat 700

<210> 1541
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1541
 tgtgtctctg ctaggttttg gtatcaggat gatgctggcc ttataaaatg agttagggag 60
 gattccctct ttttctattg ttaggaatag tttcagaagg aatggtacca gctcctctt 120
 gtacctctgg tagaattcgg ctgtgaatct gtctggctct ggacttctt tggttggcag 180
 gctattaatt actgcctcaa tttcagaact tggttgtggt ccatttgagg atttgacttc 240
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 agttttattg cgtagagggt tttatagtat tctctgatgg tagtttgtat ttctgtggga 360
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 attttgatgt taagggtgtg aattcagtta tttcctgctt tctcttgctg gcatttagtg 660
 ctataaattt cctctacac agtgctttta atgtgtctca 700

<210> 1542
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1542
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 ggcttttgaa tttgtttgct cttgtttctc tagttctttt aattttgatg ttaaggtggt 120
 gaattcagtt atttctgct ttctcttggt ggcatttagt gctataaatt tccctctaca 180
 cagtgcctta aatgtgtctc agagattctg gtacattgta tctttgttct cactgggttc 240
 aaagaacatc tttattttctg ctttcatttc gttatttaac cggtagtcat tcgggagcag 300
 gttgttcagt ttctttagtag ttgtgcggtt ttgagttagt ttcttaatcc tgagttctaa 360
 tttgattgca ctgtggtctg agagactggt tggtatgatt tctgttcttt tgcatttgct 420
 gagagtgttt tacttccaat tatgtggtca attttagaat aagtgcgatg aggtgctgag 480
 agttctggcc attacactaa taaagagcat ttcatattaa agaaacatgg gctgggtgag 540
 gtgatgtaag cctgtaattt tgggaggcca aggtgcatt gcttgaggcc atgagtttga 600
 gaccagcctg aacaacatag tgagaccctg tctctagaaa aattttaaaa attagccagg 660
 cgtgggtggtg tgtgcctgta gtcccatcta cttgagaggc 700

<210> 1543
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1543
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 ttgggaggcc aaggctgcat tgcttgaggc catgagtttg agaccagcct gaacaacata 120
 gtgagaccct gtctctagaa aaattttaaa aattagccag gcgtgggtgg gtgtgcctgt 180
 agtcccactc acttgagagg ctgaggcagg aggtattgct gagctcagga ggtcgaggct 240
 gcagttagtg agctgtgact gtaccactgc attccagctt ggaagactga tgaagactct 300
 gtctctaaaa gagaagaatg gggcggggca tgctgggtca cgctgtaat ccagcactt 360
 tgggaggcca aggtaggcgg atcaccttag ttcaggagtt tgaaaccagc ttgtccaatg 420
 gcgaaaaccc gtctctacta aaagaacaaa aattagccag gcatgggtgg gcacgcctgt 480
 aatcccagct actccagagg ctgaggcaag agaactcatt gaaccagga gatggagggt 540
 gcagttagcc gagatcgtgc tactgcactc cagcctgggt gacagaacga gactgtctca 600
 aaaaataaaa ataaaaataa ataattaaaa taattttaca aaaaacatgt atggatatct 660
 ttacctttat ctctctgtac aaagactgaa cttcagtgga 700

<210> 1544
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1544
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 ctactgcact ccagcctggg tgacagaacg agactgtctc aaaaaataaa aataaaaaata 120
 aataattaaa ataattttac aaaaaacatg tatggatatt cttaccttta tctctctgta 180
 caaagactga acttcagtgg ataattccac agtctgtctc tccagttgct gacgacgttg 240
 caaattagtg gatattctgaa gtttctcaga ttttagctca tttgttgtag ttttttagatg 300
 ttgaatctgt tctgtctggg cctgtataag cttacgattc aattcaatct tactagaaac 360
 tacacaaaaa catattatca cagtaattaa tgtaagggca tagaaaatac tatttgtatc 420
 attcttccca tttttatcgg tctatggaat ccacaaatgc tatttctgtg ggccccaccc 480
 actgcaacaa aaatacaatg agaaccctgc tagttctcaa atcagcttga tgttccttgc 540
 tggccactca cagggaagc ttacagggca ggtatgaatg agaaagaata cagctcatgg 600
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 acctgaggtc aggagtccga gatcagcctg acaaacacag 700

<210> 1545
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1545

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gagaaccctg ctgattctca aatcagcttg atgttccctg ctggccactc acagggaaag 60
cttacagggc aggtatgaat gagaaagaat acagctcatg gccaggcgca ctggctcaca 120
cttgtaatcc cagcactttg ggagactgag gcagggtgat cacctgaggt caggagtctg 180
agatcagcct gacaaacaca gtgaaacccc atctctacga aaaaatacaa aaattagctg 240
ggcatagtga tgtgtgcctg taaccccagc tactcaggag ggtgaggcag gagaatcact 300
tgaacccggg aggcggagggt tgcagtgagc caagattgca ccattgcact ccagcctggg 360
cgacaaaagt gaaactctat cttaaaaaaa aaaaaaagga aaagagaata cagcttattt 420
catactctcc tactgttcaa aatctgttgt gcaaagtaag agaacaaaga gaagtgatgc 480
ttttcagaaa aaaagagcaa atatatgttg acaggaagga acttcgttgt ccatgtaaca 540
gatataaaat tgactgtaaa aggcattgtgc tcgcaatgtc aaagtctcta tgagtacaga 600
aggacacaga ctgtattacc tgtgtctaac ttgtgctgtt tctcttggtt ctctgggttg 660
acttgttgga cagttcgatc taagtctatt ccttgtagct 700

```

<210> 1546

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1546

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aatatatgtg gacaggaagg aacttcgttg tccatgtaac agatataaaa ttgactgtaa 60
aaggcatgtg ctgcgaatgt caaagtctct atgagtacag aaggacacag actgtattac 120
ctgtgtctaa cttgtgctgt ttctcttggt tctcctgggt gacttggttg acagttcgat 180
ctaagtctat tccttgtagc ttagctgctt gttgtgcaat tttctttca acatctttaa 240
gttccatctt agaataataa caaaatgatt tcctttaata aacttactgc attattcaaa 300
atctttaaaa attaattgct cttatcattt attttttaaa tctaaactta taaaccattt 360
ctagatacaa ttttagcaaa gtttaatagg ataaaagtga aattaattat cagcaattca 420
aatgatgtaa acaaaaggaa gctgactaaa gatgaaaaac aaacagaact gtcttaattt 480
ttaaatattat gaattaaaaa gtttaaaccg agggatgtaa actaagcagt ttctccctga 540
gggtatctga aattcaggat ggggaattct aaacacaacc tgtacctgaa tactagctac 600
tatttttaac tctcacactt caaattcaag ccaccatgga acaagtttta ttctgcctta 660
aactacaata aacttacctg gaacctctcc ataattgtaa 700

```

<210> 1547

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1547

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agtttaaacc cagggatgta aactaagcag tttctccctg agggatctct aaattcagga 60
tggggaattc taacacacac ctgtacctga atactagcta ctatttttaa ctctcacact 120
tcaaattcaa gccaccatgg aacaagtttt attctgcctt aaactacaat aaacttacct 180
ggaacctctc cataattgta acatctgtca ggcatacttt ggcactttct tcttcaggca 240
ttattgtacc caagagtgtt tcttggtcct ctatgtcggt ctttaggcgc tgtatgtctc 300
tattgacatt ctgcagtttg tttcttaatt ctggattttc cttctccttc aaatcaatta 360
tgctttgcct aaatagaaaa cacaattaaa aataaagtat ctgatgtttc tcacagttag 420
actgagggtta tgtattttta ggaagaatac cacagaagtg acattgtgtt cttttcaggg 480
tatcatatca gtggatatgg aatcatgata tcaatatgtc ttattactga tgatgttaat 540
ccttattcac ttggcttaga tgggtgttggc caggtttctc cactgtaaag ttactgtttt 600
agtctttgta attaacaagt atcttaggag agaaatgttg agactatgta aatatcttgc 660
ttctcaactt tctgcctact gatttttagta tccactgaca 700

```

<210> 1548

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1548

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gaatcatgat atcaatatgt cttattactg atgatgttaa tccttattca cttggcttag 60

```

```

atggtgttgg ccagggttct ccactgtaaa gttactgttt tagtctttgt aattaacaag 120
tatcttagga gagaaatggt gagactatgt aaatatcttg cttctcaact ttctgcctac 180
tgattttagt atccactgac agatcttgct tgcaataatt attactgtgg tgtttgtcaa 240
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gataaagaca gattgttaca gactgcagga gcctaaggag aaataacaac tagatgctac 360
gtgggatcct gcatggaacc ctgaaacaga aaaggcattg atggaaaaac tgctaaattc 420
gatatggtct gtaatttagt tagtagcatt atatcaatgt taatcctggg tttgataact 480
gtattataac agagtacata aattgttaac atcaggagga gctggatgag ggatataat 540
gaataatttg tattatTTTT ataatttttc tgtaatccta acattatttc aaaataaaaa 600
ttttttaaat tacaggaaaa aaaggaagga agccagccac taagtgaat gctacatggg 660
tttaagggtac. aaaatgtcaa cccattttac tggtagtcac 700

```

<210> 1549

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1549

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aaattgttaa catcaggagg agctggatga gggatatata tgaataattt gtattatTTT 60
tataatTTTT ctgtaatcct aacattatTT caaaataaaa atTTTTtaa ttacaggaaa 120
aaaaggaagg aagccagcca ctaagtgaat tgctacatgg gtttaaggta caaatgtca 180
acccattTTT ctggtactca ctactgtagc taatgaatta ccacctccat ggcagggtact 240
gacaactatt tttgctgatg cctctgaaac aataatatgt atttaatcct ttaaaaaaaa 300
tttacttcag aaatattcca aattccttatt taaaattata ttgaattagt atgacaaagc 360
agtagaataa attaaactgg tctctaatag gagtcttatt ataaacttaa agaataacca 420
gaaactcaag tggctattac ttaatgattt tttaaaaatg caaactatga ccaagaaatg 480
ccaacctgac ctgtggcaac agacctatag ttttttaaaa ttttttaatt atttatttat 540
ttttatgctt taagtctctg gatacacgtg cagaacgtgt ggggtttgta cataggtata 600
cacgtgccat ggtgggtttgc tgcacccatg aaccatcat ctacattagg tatttctcct 660
aatgctatcc ctcccctagc cccccaccag cagacaggcc 700

```

<210> 1550

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1550

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cagacctata gtttttttaa atTTTTtaT tatttatTTT tttttatgct ttaagttctg 60
ggatacacgt gcagaacgtg tgggtttggt acatagggtat acacgtgcca tgggtggttg 120
ctgcacccat gaacccatca tctacattag gtatttctcc taatgctatc cctcccctag 180
ccccccacca gcagacaggc cccagtgtgt gtgatgttcc cctccctgtg tccatgtgct 240
ctcattgttc aactcccatt tatgagttag aacatgcaat gtttggtttt ctgctcctgt 300
gttagtttgc tgagaatgat ggtttccagc ttcacccatg tccctgcaag ggacatgaac 360
tcatcctttt atatggctgc atagttactc catggtgtat atgtgccaca tttcctttat 420
ctagtctatc attgatgggc atttggggtg gttccaagtc tttgctatcg tgaacagtgc 480
cgcaataaac atatgtgtgc atgtcagacc tacagtTTTT ttttatacca cagaaatagg 540
aggatatttg attccacata ataaatatga aggtatgcag gttatgagta attccatgcc 600
aatgtttcct cttgaacact gttgtcacag attagtagtt ggccttaaat tatgtgccca 660
atatctaaaa agtgacacag ctatgacagc ctaataatga 700

```

<210> 1551

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1551

```

catgtcagac ctacagTTTT tttttatacc acagaaatag gaggtatttg tattccacat 60
aataaatatg aagggtatgca gggtatgagt aattccatgc caatgtttcc tcttgaacac 120
tggtgtcaca gattagtagt tggccttaaa ttatgtgccc aatatctaaa aagtgcacac 180

```

```

gctatgacag cctaataatg atggccaagc atttattaaa ctggggacat ctctgtgaag 240
aactgtaggt atacatacaa ttttaaccct attttttacat tttcctacac acacacaaaa 300
tctttcatca atatgggtcta ggttttggtg ccttcttttt tgatgattac ataagatggt 360
aaaagaagtt ttctggccgg gtgtgacggc tcacgcctgt aatatgagca ctttgggagg 420
ctgaggctgg tgaatcacct gaggtcagga gttcaagacc agcctggcca acatggtgaa 480
accccatctc tactaaaaat acaaaaaatc agttgggcgt ggtgaagggc gcctgtaatc 540
ccagctactt gggaagctga ggcaagagaa ctgcttaaac ccgggagggtg gaggttgcag 600
tgagctgaga ttgtgccact gcactctctg ggtttgtttt tctttttttt aaatttatga 660
cattttattt tttattttta agagttaatt tttctcacga 700

```

<210> 1552

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1552

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tacaaaaaat cagttgggcg tgggtgaaggc cgctgtaat cccagctact tgggaagctg 60
aggcaagaga actgcttaaa cccgggagggt ggagggtgca gtgagctgag attgtgccac 120
tgactctctt ggggttggtt tctttttttt taaatttatg acattttatt ttttattttc 180
aagagttaat ttttctcacg attcacaagg ttttttaaaa ttattttcaa tagataaatc 240
ataattgcaa acatttatgg ggtacaatgt gatgttctga tatatgtaca caatgcacaa 300
tgattaaata aaggtaattt aacatatcca ttacctgcc tgctatcat tttttataga 360
cagacatttg aaatttactc tttggatttc tgttttttca gaaactcaat tcacctatct 420
ttagacaaca ttctttttct aaggggattg tgtgtaaaaa ggctcacaca gatatggtac 480
tgaaaaaaac ctgtggggaga aataccaatt gagtttgcac ttaaagtagg tgctataata 540
aatgaatctg agtcagctact agacaaaatg ataaacagggt acattttcag ctgagatctc 600
agtcagtgat ttaggtttat attagatact ggcaatttg aggttttaa tgaaaatatt 660
tcccgcgaag aagataagca agatatggct cccactacc 700

```

<210> 1553

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1553

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aaataccaat tgagtttgca tttaaatgag gtgctataat aaatgaatct gagtcagtag 60
tagacaaaat gataaacagg tacattttca gctgagatct cagtcagtag gttagggttta 120
tattagatac tggcgaattt gaggttttaa atgaaaatat tccccgcaa gaagataagc 180
aagatatggc tccccactac ctctctgagc tcatcttcca caacttttcc ctttggcctt 240
caggtaaat atgtctcaga gattttgcac tgcctagaat attcttctta tggacaactg 300
catggctgac tccctcactt ctctcaagtt tccactccac tgccaccttc atcaagtccc 360
ctcctaccac ccttcagcta gtccctattc ccttatcttg ctgtagtttt ctcaatgccc 420
ctgatcatcc cctggcatat tatatattta cttatttgtc atccatctcc tccccactgg 480
gatataaact ccatgagggc agggactttg tccattttgt ttactgctgt attacctgca 540
ctccagtaga ctgcctatat tggttgcatg aatagacagt tctcatgata gtgggtggcat 600
caagggcata ttctaaagggt gaaaaagcaa atgggtgcaca gataaattta atcttggtac 660
tttaccctc ttcaccaata accttccacc taagtgacta 700

```

<210> 1554

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1554

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cagggacttt gtccattttg tttactgctg tattacctgc actccagtag actgcctata 60
ttggttgcat gaatagacag ttctcatgat agtgggtggc tcaagggcat attctaaagg 120
tgaaaaagca aatggtgcac agataaattt aatcttggtta ctttaccctt cttcaccaat 180
aaccttccac ctaagtgact atcataaata gacctccaca atgtctctga aagtgacccc 240
acgggatatt tgaaagttag atcctaacca gaggtggaag gaagcttaat gatcatgtaa 300

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```

atcaatcccc tcactttacg tgggggatac gaaggcccaa atgggttaag taacatccct 360
aagggtcacc agcagagttg gaatttgaag tcaacctgac tgcactctta ggcaattgct 420
ttcccatatt taaaaaaaaa aaaagtcttc ttggttgggc atggtggctt atgcctgtaa 480
tcctagcact ttggggaggct gaggtaggag gattgcttga gcttaggagt tcgaggcttc 540
gatgagctat aatcaatcac accactacac tccagcctgg gtgacaggag caagacccta 600
tctatcaatc aatcaagtc tcttaattca ttattgacct ttcatttgtg gatttattta 660
aacttaaaaa aagtgtttta taatgttatt tcctactatt 700

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<210> 1555

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1555

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tgaggtagga ggattgcttg agcttaggag ttcgaggctt cgatgagcta taatcaatca 60
caccactaca ctccagcctg ggtgacagga gcaagacct atctatcaat caatcaagtc 120
ctcttaattc attattgacc ttctatttgt ggatttattt aaacttaaaa aaagtgtttt 180
ataatgttat ttctactat tgggaagaag acttctcttc tcatttgtcc caaactcatc 240
cttctccagt ttccagaat ggcccactga cattctgtta gagcttgcta aacaaacagg 300
ggttcatcat ttccctgctc ttcgggtctt caagttttgg tttctttata aaaatggttt 360
cctcacacat gtgtcctcac ttagcagccc tgccagcatc ttggtccatt ttcagtgtct 420
cctgtaggcc ttttctagct tcaggttctc ttaaaatgtg tggtaaccag ccatttacct 480
ggctaacctg gctgagccca gtcaccccat gaaacctga aaaactaatc actgcgagac 540
agttttgagg gggtttgcta caagcaatca ataacgggaa tagacactac agttctcatt 600
cattcagcaa atagttatca aagttacaat atagaatata caaatgtgtg gttgcctagt 660
ctctaggtta ccagaatggc acacagatgc tactgcagat 700

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<210> 1556

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1556

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agtcacccca tgaaaccatg aaaaactaat cactgcgaga cagttttgag ggggtttgtt 60
acaagcaatc aataacggga atagacacta cagttctcat tcattcagca aatagttatc 120
aaagttacaa tatagaatat acaaattgtg ggttgcctag tctctaggtt accagaatgg 180
cacacagatg ctactgcaga tatagggtta ggcagattca agtcagccac aagtacttcg 240
acactcttcc catcaagaga tacagtatcc tccctcactg aatcttgga gtttctgtga 300
ccactctaac caacagaaaa agaagtgtca ccatgccagt ttcttggctt aggccttaaa 360
ggacttgtag cttctacttc ctgttcatgg aatacttacc cttaggatac tctgtttagt 420
aaccagtcct ctgtgctgcc aaaagcccaa gacgcagca gaggccatgt gaagatgtcc 480
tattttgaca gcccagctg agtcccaga caatagttag catcactgtc agtcatgtga 540
gccatcaaga acatccagct cggttatgct ttgagacgac tgcagccaac atctgactgc 600
aaccgtaaga cccaagtga aagccaccta gctgagccca gtcataccac agaaccatga 660
aaaattattg tgagacagat ttgaggtttg ttacatagca 700

```

<210> 1557

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1557

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gagctcccag acaatagtga gcatcactgt cagtcagtgt agccatcaag aacatccagc 60
tcggttatgc tttgagacga ctgcagccaa catctgactg caaccgtaag accccaagtg 120
aaagccacct agctgagccc agtcatacca cagaacctag aaaaattatt gtgagacaga 180
tttgaggttt gttacatagc aataaataat tggaacagac attacagttc tcattcattt 240
agcaaatagt tatcaaagtt gcaatataca aggaactgtg gagatacaac gagtaagaca 300
tgcaccttac tcttagaggg gaaactgtgg cccagcacgg tggctcacgc ctgtaatccc 360
agcacttttg gaggctgagg caggcgattg cctgaggtga ggagtttgaa accagtctgg 420

```

```

ccaacatggt gaaacctctt ctctactaaa aatacaaaaa aaattagccg agcctgggtga 480
cgtgcgcctg taatcccagc tacttggggag gctgaggcag ggaattgct tgaaccgggg 540
agggtggagat tgcagtgagc caagactgcg ccactgtact ccagcctggg cgacaaagca 600
aaactctgtc tcaaaaaaaaa aaaaaaggag ccgtgatagc tagggtccta aaatataata 660
cgatgttaat ttctgccatt tattgtataa cagtctaaca 700

```

<210> 1558

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1558

```

ctacttggga ggctgaggca ggggaattgc ttgaaccggg gaggtggaga ttgcagtgag 60
ccaagactgc gccactgtac tccagcctgg gcgacaaagc aaaactctgt ctcaaaaaaa 120
aaaaaaagga gccgtgatag ctagggtcct aaaatataat acgatgttaa tttctgccat 180
ttattgtata acagtctaac acagaactaa gtcataatct ctactacgtg tactttctac 240
caatttcaaa ttttatccat ttgatctttt tcttttcaag atactacctt attcctctcc 300
ttccttttta ttctcaaaact actgcctctg tctcctcatc tctgtggccc caataatctg 360
gttttcaccc ttgatgcttg tgttggttat ctattgttgc ataacaaagt atcccaaac 420
ttagcagctt aaaataacag cacttattat ttctcagaga tatgaggatc aagagatacg 480
cttctgactc aggggtctcg atgaagtgcg aatcaagctg tcagccagga ctgcagtcac 540
cttaaggctt gactgctaca aagtctgctt ccaaaactcac ttgctcaaag gcctcaggtc 600
cttggcatat gggcctctcc agagggctgc ttgcaacatg gcagctagct tccctcagac 660
aagagacaga gggagacaga gtgagtgaga gaggggagga 700

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<210> 1559

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1559

```

catgaagtgc caatcaagct gtcagccagg actgcagtca tcttaaggct tgactgctac 60
aaagtctgct tccaaactca cttgctcaaa ggcctcaggt ccttggcata tgggcctctc 120
cagagggctg cttgcaacat ggcagctagc ttccctcaga caagagacag agggagacag 180
agtgaagtgc agagggggag agtgggggag agtgagcgag ttcacacaag ggtacaagca 240
cattgcgaga acagaagaag ccatagtacc ttaaataacc taatgttgga aaggccatgc 300
tatcacttct gctgttttta tcagttatat agaccaatca tgcaacagca tgagatggga 360
ctatacaaga gtataaatac caagaggccg agattactag ggaccatctt agaagtggc 420
tgccacaaac cacatcttct taggccttct tttctccttt tcttgaaact cctccttggg 480
tttccaggac aatcacttct actctcctgg tttttctgct tcttgagctt ttctcagcct 540
gtttcagtc atataatta attagattaa ttttctctaa atacatcttt cactaactcc 600
cttaggttgg ctccctcatca cctatcagag ttacaactag acctgaatat aatgtagccc 660
tatctcccca acatacagga ctcaatccct ataaataatt 700

```

<210> 1560

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1560

```

cactctcttg gttttttctg ttcttgagct tttctcagcc tgtttcagtc aatatattaa 60
tattagatta atttttctaa aatacatctt tcactaactc ccttaggttg gctcctcatc 120
acctatcaga gttacaacta gacctgaata taatgtagcc ctatctcccc aacatacagg 180
actcaatccc tataaataat tccccaaact ccagataaca tttctactgc agcataggtc 240
atactctctt tccctttgca ccgtgttctg acttcogtct cctctcagtt gagctgaatg 300
aacttctcca ggtcttatat tctcttctct gcctcattct caaaatatct ttctcattct 360
gtatccattg gctcctccct tcttacctaa cacatctggt tgaatcattt ttttaagcact 420
ttattaagcc tagctttcta aatgttgaat tctgagagct tgtcttctta atcagaccat 480
tagctcctgg agggctcatg cttaggtctc tggcactagc cttgttctct atgttctggg 540

```

agacactaag	gcaatcatca	catatttcct	gacttgattt	ttgtttgtaa	acagaacata	600
acacgaattt	cttggtataag	tgatggaaaa	tataaacaac	cgaaaatcat	ctatgattca	660
ttcttttagc	aagtggaaaa	gacattaaaa	acatagttta			700

<210> 1561

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1561

tcttaggtct	ctggcactag	ccttggttctc	tatggttctgg	gagacactaa	ggcaatcatc	60
acatatattcc	tgactttgatt	tttgtttgta	aacagaacat	aacacgaatt	tcttggtataa	120
gtgatggaaa	atataaacia	ccgaaaatca	tctatgattc	attcttttag	caagtggaaa	180
agacattaaa	aacatagttt	aaaatctgtc	ttctgggaga	acttttcaat	acttaaattc	240
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cctcatagtt	taagaaataa	gcttactggc	tatgcacggt	gctcacacct	gtgatccag	420
cactttggga	ggccgaggtg	ggccaatcac	tttgaggcca	ggagctcgag	attagcctgg	480
ccaacatggt	gaaactccat	ctctactaaa	aattacaaaa	attagctggg	cgtgggtgga	540
catgctgtga	atcccagcta	ctgaagaggc	tgaggcatgg	gaatcgcttc	tgggaggtgg	600
aggttgcaat	gagccaagat	catgccactg	cactccagct	taggtgacag	agagagactc	660
tgtctcagaa	aaaaaaaaa	aaaagaaaaa	aagacaggaa			700

<210> 1562

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1562

tctctactaa	aaattacaaa	aattagctgg	gcgtgggtgg	acatgcctgt	aatcccagct	60
actgaagagg	ctgaggcatg	ggaatcgctt	ctgggaggtg	gaggttgcaa	tgagccaaga	120
tcatgccact	gcactccagc	ttaggtgaca	gagagagact	ctgtctcaga	aaaaaaaaag	180
aaaaagaaaa	aaagacagga	aacaagctta	tctttaaaca	aaataattga	atcttcttat	240
catagaagtg	atataagaca	gggcatacca	gctcagagtc	cttactgagt	aactaccatc	300
tgcccaggca	tgagatgggt	accttttaca	atgtgctgct	acatgtacag	tgaaggtaaa	360
tcccattctt	acctcatggg	cacaagtccc	agcatttcat	cacgccgctt	ttcttttttt	420
tttagctctg	attctgttga	cttgagttta	tctggagcaa	gtcgcagttt	agactgcaaa	480
tcactgatga	cttcttgtaa	ctcagcctct	gtctgaaaaa	ctctctgaca	aacggggcaa	540
catgactggt	tttcgtctgt	tagctgagta	atgaactggg	agtaaaactgc	tgtggctcca	600
gccagcatgg	ctattttaag	aaaataaatt	atatcaccaa	tgagaaaaaa	acataaaata	660
cagtattctg	aatacggttg	tatctttttt	tataaatata			700

<210> 1563

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1563

actcagcctc	tgtctgaaaa	actctctgac	aaacggggca	acatgactgg	ttttcgtctg	60
ttagctgagt	aatgaactgg	gagtaaaactg	ctgtgggtcc	agccagcatg	gctattttta	120
gaaaataaat	tatatcacca	atgagaaaaa	aacataaaaat	acagtattct	gaatacgggt	180
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aaaattctga	tatttataaat	tccgatattc	gcttccaaag	agcatgatac	attcagattt	300
gtataaatat	tttttggtaa	cacattataa	gtataacaaa	atgcctactg	agagctttct	360
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cagggtgtag	tttgttcctc	attttataga	caatgaaaca	caggaagggt	tcagtaactt	480
gcctaaagtc	acacagtggg	taagtgttag	agccaggact	gaaatccaag	ccattagggt	540
ccataaccag	gttttttaaat	tccccatcct	taacagttac	ctgtgaatga	aaattcaaa	600
gtgtcaaagt	atcctgataa	tataaagtag	acaacttacc	tcgctgtttt	gatgattttt	660

caattttcctc ttttaagcctg tctaaatcac tttcaaaatc

700

<210> 1564

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1564

gtaagttgta	gagccaggac	tgaaatccaa	gccattaggc	tccataacca	ggttttttaa	60
ttccccatcc	ttaacagtta	cctgtgaatg	aaaattcaaa	ggtgtcaaag	tatcctgata	120
atataaagta	gacaacttac	ctcgctgttt	tgatgatttt	tcaatttcct	ctttaagcct	180
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ggacaactgc	tcttcctttc	tttttagttc	attatttata	tgatttttat	tctgctcaga	300
tgaagctagt	tccttgctaa	aataagagca	aatatggatt	ttcattttta	aataggagaa	360
attagtttga	aaatttgagt	aggcaaaaac	aagacaaatt	ctgccaacaa	atcatgacaa	420
gagtttggtg	tgaccaaaata	atTTTTTTTca	gaagttgagg	gactagtcca	cttctgcctt	480
aactctcccc	ctaggacact	gactcacctg	ccagtcctac	tcatgggcct	gctcccagaa	540
aaatgtacac	agaattctgc	ctgggttctg	ggggttcatg	gtctttgatc	ccaggttaag	600
cctcagcaag	atgcttgcta	ggactattgg	acagaaagaa	gacaagagaa	catccccgta	660
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<210> 1565

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1565

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aggactattg	gacagaaaga	agacaagaga	acatccccgt	aattcccttt	agtcctttca	180
caaatactac	ttccttactc	tcctgtaaat	actgtttctt	ttgtatcctc	cccctccttg	240
ttgctgtcat	ccacttgogt	ccagatcagt	cattccctct	cattcatcaa	agattttgct	300
tactagtaca	atztatcccc	actttaattc	ttaaacatca	tcctagccaa	cctcaatact	360
cacacataac	atgggttttc	aatttgcagg	tttagatgca	ttagctacca	tgtaatcaat	420
ttaatgtatt	cagcatattt	tttaaaaatg	aaacagaata	gacggtaata	tattggagta	480
ggctgtatgt	atatgtacta	ctttgagaaa	tttgtttcag	ataaatgtgt	gtgactgcac	540
acatgcttct	tcatcatgac	taccatcctt	gagtcacagt	aaacatttgg	aaaaaagtaa	600
ctaatatgat	gatattttca	ttatcctaga	ctcccttgag	cacttctcat	caagatcacc	660
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<210> 1566

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1566

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attatcctag	actcccttga	gcactttctca	tcaagatcac	cagtgcaccta	agtgccaaagt	180
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gactattttc	ccaaggcacc	tagacaccac	agctatctgg	ctctcaccct	ggttccttgg	300
gcacatccca	gtttccttca	cttgctcctt	ttcctttgcc	tgctaacatt	ttaaatgttt	360
gtgcttccca	ggaatctaata	tgtaaactcct	tccttttgca	taactctctc	aagggtgacat	420
actaatgact	ttgagtatcc	cttacatagc	aacaacttcc	aatctcctga	atTTcaaact	480
ccaatattgt	attccctcac	agatacttcc	acaagaaaca	cagattaaac	accaccaaag	540
ccaagtcttt	ctactttcct	caaaaatctg	tgtggaattt	ttgaccgcgt	tatccaacca	600
ctatccaagg	taacatctga	gaaacatgat	cactttttat	aatggattac	tcacagaaat	660
gaaaatagaa	tttttaaatt	ttaatcttca	taggtctaca			700

<210> 1567
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1567
 cagatacttc cacaagaaac acagattaaa caccacccaaa gccaaagtcct tctactttcc 60
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 agaaacatga tcacttttta taatggatta ctacacagaaa tgaaaataga atttttaaat 180
 tttaatcttc ataggtctac aaattttcaa gggacaagag gcctaaatta ctatccgtta 240
 ccattttact taatttgcaa aatatgaggg gtcttcaaaa tgttcatgga aaatgtgtat 300
 tataaaaaaa actatgcatg aagttcaaaa tgttttgac tgaaacaaac tcatactaac 360
 ttgtttataac atgtctgaat aggatctagt ttaaggcact aacaagggtta agacatcagt 420
 ttgaaaagag cccaatttaa actgaagcaa gaacaagtat caaatttatg gtgaagtgtg 480
 ggtggaagaa tggtgaaatc attgatactt tacaacaagt ttatgagatc aatgccccaa 540
 acaaatcagc agtttacaaa tggataactc agtttaagaa gggatgagac gatattaaag 600
 atgaagccca cagtgcagaa ctgttcacat caattttgtga ggaaaaaaa tcatcttctt 660
 catgccctaa ctgaagaaga tcaatgatta acagcagaaa 700

<210> 1568
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1568
 cattgatact ttacaacaag tttatgagat caatgcccc aacaaatcag cagtttaca 60
 atggataact cagtttaaga agggatgaga cgatattaaa gatgaagccc acagtgcag 120
 actgttcaca tcaatttctg aggaaaaaaa atcatcttct tcatgcccta actgaagaag 180
 atcaatgatt aacagcagaa acaatagcca acaccataga cacctcaatt gattcagggt 240
 acacaattct gactgaaaaa ttaaagttga gtaaacgttc tacttgatgg atgccccaaa 300
 tcaactgcttc cagatcagct gcagacaaca gcagaacttc ctcaataagt gggatcaagt 360
 tcctaaagca tttcttcaaa gaattgtaac aggaggtgat ggaatgtggc tttaccagta 420
 caatcctgaa gacaaagcac aatgaaagca atggctaaca agtgggtggaa gtgggtccagt 480
 caaagcaaaa gcagaccaga taagagcaaa ggtcatggca acagttgttg gggatgctca 540
 aggcattttg cttgctgact ttctggaggg ccgaagaaag gtaacaactg cttattatga 600
 gagtgttctg agaaagctag ccaaagcatt agcagaaaaa tgcccaggaa agcttcacca 660
 gagagtcctt ttccaccaca acaatgttcc tgctcattcc 700

<210> 1569
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1569
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 tttctggagg gccgaagaaa ggtaacaact gcttattatg agagtgttct gagaaagcta 120
 gccaaagcat tagcagaaaa atgcccagga aagcttcacc agagagtcct tttccaccac 180
 aacaatgttc ctgctcattc ctctcatcaa acaagggccca tttgcaagag tttcgaatgg 240
 aaatcattag gcatccacct tacagtcctg atttggctcc tcctgtcttc tagtttctta 300
 atcttaaaaa aatcttttaa gggcaccat ttttatgcta gcaatgtaaa aaagactaca 360
 ctgacatggt taaattccca ggaccctcag ttcttttagga ctgaactaaa ttgctggtat 420
 cactgctcag aagagtcttg aacttgatgg agcttatgtt gagaaatata gtttatttaa 480
 aatttttctc ttttaattcc atttttccat gaactttctg aagtctcctt gtatgtaaga 540
 actaaagttt atcaatataa cataccattt catgacaata aattatttta aaacaattaa 600
 acaggtaagc atgaaataag agatttctat tacatctcca aatgttgcaa cttacttcaa 660
 tttggcaagt ctgtccctgg tctgattaat ttcttttgat 700

<210> 1570
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1570
cattttttcca tgaactttct gaagtctcct tgtatgtaag aactaaagtt tatcaatata 60
acataccatt tcatgacaat aaattatttt aaaacaatta aacaggtaag catgaaataa 120
gagattttcta ttacatctcc aaatgttgca acttacttca atttggcaag tctgtccctg 180
gtctgattaa tttcttttga tttactatgt agccagtctt caagctgttt tttgttgagg 240
aaatatccca acagtgaggt taattcatca ctgtgcctag attttatttt tctgatttgt 300
tcatctttgt cagcctatag gtaaaaaaaa aatcttttaa aaataaagtc tataatctcca 360
cattatatca agaacaaaaa taaattctag actgactaaa gttctaagct taaaactata 420
aaaatatgaa aataaaaat aaattttctt aaagtcttca aagtcttcaa gtggggatgg 480
tctttctaaag ccttaagagt ggagtaccaa gtcgaacaat ataaaaat tttt 540
tatgttaaaa gttaacagta atgtgcatgt gtgtatatac atatatatac atttctgtat 600
taactttttg taattaaaca ataactttta agcttgaaag tctattatat agagtactaa 660
gctcacttag cctctaaaaa atagtcaata ccaacttaat 700

<210> 1571
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1571
tggagtacca agtcgaacaa tataaaat taaaatttgt gtatgttaa agttaacagt 60
aatgtgcatg tgtgtatata catatatata catttctgta ttaacttttt gtaattaaac 120
aataactttt aagcttgaaa gtctattata tagagtacta agctcactta gcctctaaaa 180
tatagtcaat accaacttaa taccttatag tctatgactt atgagtgcaa ggtaggctat 240
tttaagtacc agacagtata attagaacaa aaagaaaaat catactttgt ctttggctag 300
catctccatt tgggtacgtg ttgttgtag atggtttaac tgctccatct cctgggtcag 360
tttacgcagg gtccgtgtcta agtctgcttt ttcatttttg agacttatta cttccatttt 420
taaggttttc acattgctgt ttttctcagc cttgcttaac tcacgttcct agtcaataat 480
tcatacaaat gcaaagggtg tatatatatt gtgcaagaat taaaataatg acaaagtgt 540
ttagaaatta actactcctc agaatgttcc aaatattact gtttgcaccc aacaagagaa 600
aaaaacataa ggcactatat atgtcttaag gtatatctta ttaaagtgtac cttactatgt 660
tataatggta gagaattagt aaataaacct agaagggtca 700

<210> 1572
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1572
ttatatattt tgtgcaagaa ttaaaataat gacaaagtgt attagaaatt aactactcct 60
cagaatgttc caaatattac tgtttgcatc caacaagaga aaaaaacata aggcactata 120
tatgtctctaa ggtatatctt attaaagtga cttactatg ttataatggg agagaattag 180
taaataaacc tagaagggtc aaacaggaaa gaaatgtgag aattactgta aaattaggag 240
acatgtgtct aagtacacag attagttagt cctcagtcac caattaaata tttattatgt 300
ccccatgtaa ttcactatat tgcttggtat gtagaaacta taaaaatagt gtgatgtgg 360
ccctgaccaa gtatctcccc accccaacaa gacaacactg atgaagtgtc aaactgacaa 420
aaatgtatgc tacaatgggt agttatggag caaaaaataa tgtttacata aattatcaag 480
atgggcttta agaagtttgc catgcttttag aatgcttact ttggtaatgg agatgtgaag 540
aaggaggaca gactagaagc aagaaagaaa atatggaaat acctgaaaag attggctaag 600
aaagttttta acacagaaaa agtaataata cagcaaaaat catctagaat tacaacgtgt 660
gtgacctaga ggaaaaatac ttgctttttt aaaacttttg 700

<210> 1573
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1573

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ccatgcttta gaatgcttac tttggtaatg gagatgtgaa gaaggaggac agactagaag 60
caagaaagaa aatatggaaa tacctgaaaa gattggctaa gaaagttttt aacacagaaa 120
aagtaataat acagcaaaaa tcatctagaa ttacaacgtg tgtgacctag aggaaaaata 180
cttgcttttt taaaactttg gcaagtgttc tttttctttt ttttgagatg gagtccact 240
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cacgccagc taatttttgt attttttagta gagacgggtt ttcacatgt tggctggaca 420
ggctctgaac tcctgacctc acgttatctg cctgccttgg cttcccaaag tgctgggatt 480
acaggtgtga gacaccgcac ccggcctggg aagtgttctt aatcaagggtg ctcataagaa 540
ttagccagtt ttgttgtgtt ttgaatgtac atttctatgc cccatttctca gagattttga 600
tttggaagggt ctgaagcttt aaggctctgag tacagtatct ttaaaaagct ccctatgtga 660
ttctaatttt caggctatcg gggtgtagaa ccaaagagtc 700

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<210> 1574

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1574

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cccggcctgg taagtgttct taatcaagggt gctcataaga attagccagt tttgttgtgt 60
tttgaatgta catttctatg cccatttctc agagattttg atttggaagg tctgaagctt 120
taaggctctga gtacagtatc tttaaaaagc tcctatgtg attctaattt tcaggctatc 180
gggttgtaga accaaagagt cagaagatca agatattcag atgaattcat tttacatgag 240
aataagacaa agttgatgtt tttattaaaa tgctataatc ttaggatcaa aaatagacaa 300
aatacttcta aaagtattat atcttaaaat tattagatta ttcaaacaat atcttacagc 360
ttttatgagc tcctgggtcca gttcaagaat cctgtctgaa gatccttcca actgctgtaa 420
ttcatacttc acatttttca gctcattctg cttcttactt aggatttctg attttaactc 480
aattattctt cccagtcag ttttcttctc tcttatctca tctatctgtt tttgtttcag 540
agtctctttt tctgcaaagt cattctaaat gcatatgtaa agaattgagca ttaataattt 600
actaaacaat ttaagttttt taattgcaaa aggaatatat gtacactgaa gaaaatacaa 660
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```

<210> 1575

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1575

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gttttcttat ctcttatctc atctatctgt ttttgtttca gagtctcttt ttctgcaaag 60
tcattctaaa tgcataatgta aagaatgagc attaataatt tactaaacaa ttttaagtttt 120
ttaattgcaa aggaatatata tgtacactga agaaaataca aaaaagtaca gtcgtgtgtt 180
gctcagcagg gatataattcc aagaaatgca tcattaggca attttatcat tgtgtgaaca 240
tcagaatgta tttacataag cctacatggg atagtttaac acacacatag actatatggg 300
atagcctatt gtttatgggc tacaaacctt tacagcatat tactgtactg aatactttgg 360
caactgtaac atgatgataa gtatttatgt atctaaacat atctaaacac agaaaacata 420
cagtaaaata cagtattata attttatggg accaatgtca aatatgtggg ctatcactga 480
ccaaaacatg tggttcaaga ctgtatttta aaaacaatca aaaccattac ccagagataa 540
tcattaactg tgagcaaatg ttttctctgc aattagtttt taaaaatttt tacttaaaac 600
caaataaaaa atgtagggtt acattttctt catattttta tctttataca cttaagaaca 660
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```

<210> 1576

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1576

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actgtatttt aaaaacaatc aaaaccatta cccagagata atcattaact gtgagcaaat 60

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gttttctctg caattagttt ttaaaaattt ttacttaaaa ccaaataaaa aatgtagggt 120
tacattttct tcatattttt atcttttata acttaagaac atttgcttca ataaagggtt 180
ttctgccttg tagcagattt tatcctaaca ctaatagaaa aatatgccaa aatggagtc 240
aaccaaaaat taaaacaatt caagtagaga atatgatgca aacaaaataa caaatactgt 300
atttcaaaat acttgccatc agttgggttg cagtttttgc tcccccttct tgtctctctc 360
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ccaattctag ctgtgttgcc aaagactgaa ttaatgaatc tctagctcgg atatgttctt 480
gatggcgatc tgcttgccagc tgtagacgac ctttttaaaa aaaaatctca taattttttt 540
ttcaactggg gcttaaaaag ttgagatagc tgcagattca cgagttataa aaaataatgc 600
agtgtgtctc ttgtacattt tgcccagttt ctcccaatga taacattttg caaaactgca 660
gtaaaatatc acaaccagaa tactgatatt gatataattc 700

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<210> 1577
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1577
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gttgagatag ctgcagattc acgagttata aaaaataatg cagtgtgtct cttgtacatt 120
ttgccagttt tctcccaatg ataacatttt gcaaaactgc agtaaaatat cacaaccaga 180
atactgatat tgatataatt catcaatctt attcaaat tccccatttt atttgtacc 240
ctgagcatgt ggatgtgtgt atattaagtt ctatataatt ttatcacctg tgtcggttca 300
tatatccact atggcagtc aagatactgaa cagttccaat actacaagga ctctcttttt 360
gttctaatac taaccatacc tagctccctc ctgtcctttc tcttaccag tatccctggc 420
aaccactaat ttctccacta tttctaaaat tttgacatta taaaaatgtt atataaatgg 480
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tgtctacccc tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt 660
atthagtttt tccagttcac gatgacagtc taccaatttc 700

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<210> 1578
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1578
ttttaagatt ggctttttcac tcagcataag tcccttgaga ttcttctatc atacagaaaa 60
tgtataacat catagtagga aaaacgacca aataaacatt ttgtcctacc ctgttcaaca 120
agcagttctg atttttcctg attgagaagc ctagattctt tatttagttt ttccagttca 180
cgatgacagt ctaccaat tctttctttc tcccttactg ttctctgggtg atttgtatat 240
aagtcattta gttgtctatc agtcccttga aaaacctgtg taacaccaa ataaaaagct 300
ttaatgtaca aacataagaa aatatgatca ctttgaggta tcaaataa accaaacctt 360
attcaatata cttcatttta acatatacat agaagtaaca agatctgtat ttgttttttt 420
ccaatgtgga tggcaaaatg gattcaata aagttcatta caataatccc aaaattttga 480
agcagaacaa aattctacca ccacaaacct tttccatttt ctcttccagt tcaactattat 540
ctttctccat ttgtctcttt cggctatcca aggccttaatt ttcattgtca agtttcatta 600
tttttagagag attatgttca atttctttta gacgattctg aaaataaaga aacattacat 660
aaataaaact cactatagct tacatggctg atagatgaag 700

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<210> 1579
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1579
accacaaacc ttttccattt tctcttccag ttcactatta tctttctcca tttgcttctt 60
tcggctatcc aaggctttta tttcattgtc aagtttcatt attttagaga gattatgttc 120
aatttctttt agacgattct gaaaataaag aaacattaca taaataaaac tcaactatagc 180

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ttacatggct gatagatgaa gacaagtaag atactccagg tccaggcatt tagtaaaagt 240
gatctcattt aaggctaaca ataacactgt agagcaggcc tagagaaact gaagttcaga 300
gacattaagt aacttggccc aagtccctcac agctagtaga gagaagcagg aattaaattc 360
cactttctaac tccaaacacc atgtcctgtc ctcaacacct gccacaaaag tcattattca 420
ttcattgggc atttagagtt acttaatcct taaaaaggta actattttaat gtatTTTTTT 480
aagtcaggac tactgagaag gctagaaatt catggtgagt taccaatgca ttctgagcct 540
ataggcaaat ttacatgaag agtatacttt aatccaaagc ttgctcaacc acagaggact 600
ctgagcaagt aaagtacaac aaggaggctc agtggcctgc tctgaggctc gcttccagag 660
acagctgggt gcctcatctc ccaggaatac tgggatctgg 700

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<210> 1580
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1580
ggctagaaat tcatgggtgag ttaccaatgc attctgagcc tataggcaaa tttacatgaa 60
gagtatactt taatccaaag cttgctcaac cacagaggac tctgagcaag taaagtacaa 120
caaggagctg cagtggcctg ctctgaggct cgcttccaga gacagctggg tgccctcatct 180
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aacctacttt tattattatt atttcaaagt cagagacaag gtcttgctat gttgccctgg 360
ctggagtggc tattcacagg tgcaataaca gtgcaataca acttgaactc ctgggctcaa 420
gtgttcctcc cacctcagcc tccaagtagc tgagactata agtatgtacc accatgcca 480
gcagaacctt attttaaact aacatatgaa gttattggaa tgcttagaca gcaattgcaa 540
gctttcataa ttgcaccaa atgcacctc gactttaaca taatttatta aaattatact 600
aatagtatag cttgtgattt gtatatgaac gtaaacgttc atatacaaat gaacctaaaa 660
acagaaactt tgtttacttt gttccctaatt gtatccccag 700

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<210> 1581
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1581
taacatatga agttattgga atgcttagac agcaattgca agctttcata attgcaccaa 60
aatgcatcct cgactttaac ataatttatt aaaattatac taatagtata gcttgtgatt 120
tgtatatgaa cgtaaacggt catatacaaa tgaacctaaa aacagaaact ttgtttactt 180
tgttccctaa tgtatcccca gaacatgcaa taggtgttca atggttagcta aacgaaagag 240
agatttgaaa aaaataattt taccaagagc aacagtcaca ggtatcactg attgaatgtc 300
tgctatgttc cagacactgt actaggtgct gctataaatt ctctctaate ctcacaaaag 360
tatatactaa gcaggaaatt caaaggactt aactgacttg tacaaaattg tatagttaag 420
attgggagac aagataacaa taagattaga aggcagggtg tcataatgac taggctctgg 480
gtgctagaag aagtggacat ttgtatgtaa gaaagtaaac ctcaactttt acctcatatc 540
atattaagat tctgaaatga agcatatact taattgtaag aactcaaact ataaaacttt 600
tagaggaaaa cactgaagaa tatttttgtg acactgggtc aaagacttcc taaataataa 660
acaaaaagta taaaccataa gagaaaaaag tttataaact 700

```

```

<210> 1582
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1582
tttgtatgta agaaagtaaa cctcaacttt tacctcatat catattaaga ttctgaaatg 60
aagcatatac ttaattgtaa gaactcaaac tataaaactt ttagaggaaa acactgaaga 120
atatttttgt gacactgggt caaagacttc ctaaataata aacaaaaagt ataaaccata 180
agagaaaaaa gtttataaac tgtacctgat caaaatttaa aactcctgtc ctctgaaaag 240
cagttaagaa atatctgcaa aaccaatatc tgataaaggg cttgtatcca gaacatattt 300

```

```

agaactctct gacctggcact gtagctcaca cctgtaatcc cagcactttg ggagactgag 360
gcaggctgat tgcttgagcc cagaagtttg agaccagcct gggtaacctg gtgagacctt 420
gcctctacaa gtctcaccgg tgtggtgagt gtgtgcctgt agtcccagct acgtggggaga 480
ctgagggtgga aggatcactt gagcctggga gtcagagggt gcagtgcagcc aagatcacac 540
cactgcactc tggcctgggt aagacagcga gacctgtctt caaaaaacaa gaaaaaaaaa 600
aaaaaaaaaa agaactctca cagctcaata ataaaatgac caataaataa ataacattga 660
aaaataggca aaagactttt atattttact aacgaagata                                700

```

<210> 1583

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1583

```

tgagcctggg agtcagaggt tgcagtgagc caagatcaca ccactgcact ctggcctggg 60
taagacagcg agaccctgtc tcaaaaaaca agaaaaaaaa aaaaaaaa aagaactctc 120
acagctcaat aataaaatga ccaataaata aataacattg aaaaataggc aaaagacttt 180
tatattttac taacgaagat attcaggtgg caaataaata catgaaaaga tgctcaaaat 240
caataatcaa ttgactgac aactaggaaa acacaaatta aaaatataaa gaaatacaac 300
ctcacaatgt cacaatgaga cactaccaca cccctactgt tatggctaaa atgaaaaaga 360
ctgacagtag taagtgggga tgagaatgca gagcaattac attcccataa attgttggtg 420
tattgtttgg aggactatga agtggtacca gatggtacag ccactctggta acttataagg 480
ttaaacatat atttaccaca cgacctagca acccgagtcc taaagttatc caaagacctg 540
tatacagaag tttatagcag ttttatctgt aacaacccaa agccgaaaac aacttatttc 600
tttttattat actttaagtt cgagggtaca tgtgcacaac atgcagggtt gttacatatg 660
tatacatgtg ccatgtttgg gtgtgtgcacc cattaactcg                                700

```

<210> 1584

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1584

```

acgacctagc aacccgagtc ctaaagttat ccaaagacct gtatacagaa gtttatagca 60
gtttttatctg taacaaccca aagccgaaaa caactttattt ctttttatta tactttaagt 120
tcgagggtag atgtgcacaa catgcagggt ttgttacctat gtatacatgt gccatgttgg 180
tgtgtctgcac ccatttaactc gtcatttaca ttagggtgat ctccaatgc tatccctcct 240
ccctccccc accccacaa acaggccaggt gtgtgatgtt ccccttcctg tgtctgtcca 300
agtgtttctca ttgttcaatt cccacctatg agtgagaaca tgcggtgttt ggttttttgt 360
tcttgcggtg gtttgctgag aatgatgggt tccagcttca tccatgtccc taaaaaggac 420
atgaactcat cattttttat ggctgcatag tattccatgg tgtatatgtg ccatattttc 480
ttaatccagt ctatcatcat tggacatttg gggttggtct aagtctttgc tattgtgagt 540
agtgtctgaa taaacatata tgtgcatgtg tctttatagc agcatgattt ataactcttt 600
gggtatatac ccagtaatgg gatggctggg tcaaatggta tttctatttc tagatccttg 660
aggaatcgcc acactgacaa atgggttcta attaaactaa                                700

```

<210> 1585

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1585

```

ttggacattt ggggttggttc taagtctttg ctattgtgag tagtgctgca ataaacatac 60
atgtgcatgt gtcttttatag cagcatgatt tataatcctt tgggtatata ccagtaatg 120
ggatggctgg gtcaaagtgt atttctattt ctagatcctt gaggaatcgc cactgaca 180
aatgggttct aattaaacta aagagcttct gcacagcaaa agaaactacc atcagagtga 240
acaagcaacc tacagaatgg gagaacattt ttgcaatcaa ctcatctgac aaagggctaa 300
tatccagaat ctacaaagaa ctcaaacaaa tttacaagaa aaaaacaaac aaccccatca 360
aaaagtgggt gaaggatatg aacagacact tctcaaaaga agagatttat gcagacaaca 420

```

```

gacacatgaa aaaatgctca tcatcactgg ccatacagaga aatgcaaatac aaaaccacaa 480
tgagatatca tctcacacca gttagaatgg cgatcaataa aaatcaggaa acaacagggtg 540
ctggagagga tgtggagaaa gaggaacact ttactactgt tggagggact gtaaactagt 600
tcaacacaaa acaacttaat gtccatcagc cacagaatgg atgaggaaaa aaattataat 660
acatgcatac aatggaagga atgctcctcc acaataaaaa 700

```

<210> 1586

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1586

```

agttagaatg gcgatcaata aaaatcaggga aacaacagggt gctggagagg atgtggagaa 60
agaggaacac ttttacactg ttggaggggac tgtaaactag ttcaaccaa acaacttaa 120
tgtccatcag ccacagaatg gatgaggaaa aaaattataa tacatgcata caatggaagg 180
aatgctcctc cacaataaaa aggaatgaat tgccggggcac agtgggtcac acctgtaatc 240
ccagcacttt gggaggccga ggtgggcaga tcatctgagg ttgggagttc gagaccagcc 300
tgaccaacat ggagaaaccc cgtctctact aaaaatacaa aaaaaattag ctgggtatgg 360
tggcacatgc ctgtaatccc agtactttgg gaggtcagg taggagaatt gcttgaacct 420
gggagacgga ggttgcaagt agccgagatc atgccattgc actccagcct gggcaataag 480
agtgaactc cgtctcaaaa aaaaaaaaaa aaaaaaggaa tgaattactc acacatgcag 540
caacatagat aaatcccaga cacaaaagtc tgcatactgt atgattctat atatgtgcca 600
ctctctggaa aaggcaaac tataatgaca gaaacaaat tagtggttac tatggatggg 660
agcaggggag aggactgact gcaaggactt tgagagaact 700

```

<210> 1587

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1587

```

aaaaaaaaaa aaaaaaaggga atgaattact cacacatgca gcaacataga taaatcccag 60
acacaaaagt ctgcatactg tatgattcta tatatgtgcc actctctgga aaaggcaaaa 120
ctataatgac agaaaacaaa ttagtggtta ctatggatgg gagcagggga gaggactgac 180
tgcaaggact ttgagagaac tttttggagt gactgaaata ttctacatct tcatthtagt 240
gatggttatg ctactgtatg catatgtcct aactcataga atttatactc taaaaagggt 300
ggattttacc atatataat tataccttaa taaacttgac ttaaaaagaa aaaaagggtat 360
aaacttagga atcagaggac tcaaactcta cctttaaccc ttatttccac tgtgaatacc 420
tgtacctcag ttttctgcc tatacaacct cacagttact atggagttaa cattatacat 480
tttaagcac tcgggttagt gttaggcagt aaacattcaa ttaatgagac catttgcacc 540
acttgtgaaa aaaattctgt actcagaaaa taccttttga gtagagtcta acaaatataa 600
ctggatggat acttaagagc aatgaatact aacagctcta ctatgatact ctacaaagt 660
ctcagtttct ttccatcagt gttttcactg cctcttggtg 700

```

<210> 1588

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1588

```

tgttaggcag taaacattca attaatgaga ccatttgcac cacttgtgaa aaaaattctg 60
tactcagaaa ataccttttg agtagagtct aacaaatata actggatgga tacttaagag 120
caatgaatac taacagctct actatgatac tctacaaagt gctcagtttc tttccatcag 180
tgttttact gcctcttggg agcacaaaca ttatgataat catctgggct tggatctttc 240
atgacatctc tacctgcttc attccttaaa tccagccagt caccagatcc cctgaattcc 300
ttctttgaca tctgtgtttt ggttctaatc tcagagcaca aaacatagggt tctatcccca 360
gagtacacac ctagtaaaag gagctaggac aagcaggcag acaacaataa caaaaacagc 420
caagggttta aagcttaggt gccagtgtga aatgagataa aaaaaataga gcagctgggc 480
tatcaagtat agaaggacca tgaacttgtg tgcagaaaaa aaaagttaga aacatattcc 540

```



```
tctagcaatt cccattttaag gcaagaaagg aaaacagatc taagtaggcc aaaaaaagag 600
gacaggatat ggtgggatgg taataaagta gtttatgaga gagtgagagt tcccgaagat 660
aaagggaatc agtaaaaatg ggaaaggatg cattctagtg 700
```

<210> 1589
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1589
atgaacttgt gtgcagaaaa aaaaagttag aaacatatct ctctagcaat tccatttta 60
ggcaagaaag gaaaacagat ctaagtaggc caaaaaaaga ggacaggata tggggtggatg 120
gtaataaagt agtttatgag agagttagag ttcccgaaga taaagggaat cagtaaaaaat 180
gggaaaggat gcattctagt gcatggttga aaggacgtag tcttttctgg gaaggtgatt 240
tgacccaaac tttattggg ttctatgaag ggaagaatct tcacatgtca gagctaaaaa 300
aaaggacttt ggaagtcac tacttaataa acatttattg aaccacctgc tatgtgccag 360
gcactaggct aggtctctgag gatacagaga agaataataa acccttggag aattactcac 420
aattaaacac aaacaagtaa ataaatacct caacctctgc tacagccttg gttagaatct 480
tggcaccact cactaaatcc taggtattat catttagccc taccttgaca tcatttccaa 540
tataaatgct tcatattcaac aatatggatt tccttgacag tgttcaaaga cagcttggat 600
tttactgtct ctatgtctcc aatgacttac tcatattga tcaaaaaagt catggccaaa 660
ttcagtccta tgaaatcctc tctggctacc tcagatagaa 700
```

<210> 1590
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1590
ctaggtatta tcatttagcc ctaccttgac atcattttcca atataaatgc ttcattttcaa 60
caatatggat ttcttgaca gtgttcaaag acagcttggg ttttactgtc tctatgtctc 120
caatgactta ctcatattat atcaaaaaag tcatggccaa attcagtcct atgaaatcct 180
ctctggctac ctcatagata aattctcttt ctttatcctc agagctccta caggtcttgt 240
ttttttctct gccttaccat tacatgtgct tgtcatctct ccaaccaaga tgctcctcaa 300
gaaaaataaaa cgtggagtgg ggcaaggggg aaagaagaaa aaaaaaggaa atctgttcta 360
atatcttggg aattaccacg ggaccacac agagtatatca ggacaactca tcctaaaata 420
taacatagtc ttccactctt ctgtctattg aactaagtct gaaatccatt agctttctat 480
aatctgaccc cgattcatat tggctattta ctctttttat attgatttac ttaaccacaga 540
ctcttctctc cataatcctg ttctgattaa gcttgtaaag gtaaatatgc acatacatac 600
aagtgaatgt ttgtatatac atatgtattg tatatatgca gttaaaaaaa gttgcaggta 660
aaatatactc tggaagggtta gagatgagaa atggaagact 700
```

<210> 1591
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1591
ttggtcattt actcctttta tattgattta cttaaccag actcttcctc tcataatcct 60
gttctgatta agcttgtaaa ggtaaatat cacatacata caagtgaatg tttgtatata 120
catatgtatt gtatatatgc agttaaaaaa agttgcaggt aaaatatact ctggaagggt 180
agagatgaga aatggaagac tatcttttac ttttcaccta atatcctttt ataacttttt 240
tactaggggc acatattact tttaaaagaa aagtcaaaat aaatacaaac atttccaggt 300
gcggtggctc acgcctgtaa tccctgcact ttgggaggcc gaggcgggca gatcacttga 360
ggtcgggagt tcgcgaccag cctgaccaac atggagaaac cccgtctcta ctaaaaatac 420
aaaaaattct attttttttt tttatttagc cgggcgtggg ggctcatgcc tgtaatccca 480
gctaccctgg aggctaagtg ggagaattgc ttgaaccgg gaggcagagg ttgcagttag 540
ccgagatcgt gccactgcac tccagcctgg gcaacaaaag tgaaactcca tctcaaaaat 600
aaataaataa ataaatacaa acatgtataa aatgtcttct agtttgctga cttgatttct 660
```

tcccattctt caaggccac ctcagcccta cctcctccca

700

<210> 1592

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1592

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gggagaattg cttgaacccg ggaggcagag gttgcagtga gccgagatcg tgccactgca 60
ctccagcctg ggcaacaaaa gtgaaactcc atctcaaaaa taaataaata aataaatata 120
aacatgtata aaatgtcttc tagtttgctg acttgatttc ttcccattct tcaaggccca 180
cctcagccct acctcctccc agaagccctt gcaatatatt tctatgcatg gccatcatta 240
aaaatatata tatattttct acttcatgat tcaaagatct atactggtat ttacagggtga 300
gtttttttaa aaccaaatca ataaattttt taatgacttt aaaaaatcta ctatctaaaa 360
catagcaaat agccattttt aagaatgctc ttatttagac taggaatacc ttaaggacag 420
gggtgcagtt gtagtcctct ttgtacccaa gcacagtata ccctggtaca aagaagacac 480
ccaataaatg cttattaaat gaatgaatgg aatttcctgt aggcctttct tataaatcac 540
cgggttgagg aagggtatact catttgcaaa tatatgaaca tgttatggat caattccaaa 600
ttctgtgcaa tttttgaatg cttcaaaaac tttctgcaaa ttttaaaaat tctctagaaa 660
gatgtcaatt tttaaaaata ttaatacaga actgtaagggt 700

```

<210> 1593

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1593

```

tgaatgaatg gaatttcctg taggcctttc ttataaatca ccgggttgag gaaggtatac 60
tcatttgcaa atatatgaac atgttatgga tcaattccaa attctgtgca atttttgaat 120
gcttcaaaaa cttttctgcaa attttaaaaa ttctctagaa agatgtcaat ttttaaaaat 180
attaatacag aactgtaagg ttgggtaatg atattgctat ttaacaccta gtgatctata 240
ctactaattt agtgtgatgc tacaattttg ttttctttca aatccaagct ctttcagcaa 300
tttaagact aacatagacc taaaacatta gtcacctgat aattcaagaa atatacaagc 360
cattcagttt catatacaaa taaggggaga atgctactat agcaaaaaaa ggactaccta 420
tttagtatac aagaaattaa ctactgtaca tcactgtgac tttagttaat aacaatatat 480
aattgctaag agagttagatt ttaagtgttc tcaccataaa aaaattgaag taatgaacgt 540
taaatagctt gatttagcca gtccacgatg tatacttata tcaaaacatc atgctgtata 600
ccataaagat atacaatttt tgtcaattaa aaataaaatc aagttacctt caatggatca 660
agttcattct cataggattt gacaattttc tttgaagatg 700

```

<210> 1594

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1594

```

tttaagtgtt ctcaccataa aaaaattgaa gtaatgaacg ttaaatagct tgatttagcc 60
agtccacgat gtatacttat atcaaaacat catgctgtat accataaaga tatacaattt 120
ttgtcaatta aaaataaaat caagttacct tcaatggatc aagttcattc tcataggatt 180
tgacaatttc ctttgaagat gttaactggg cttccttact tgtaatctga tcacgaatct 240
cacaagcttt ttccctatat tgcttcagat attttagttc catttgatat tcttttactt 300
tctgaccttg tgtctgacgt acctgccgaa gtgtttctaa ggctttaatg tatctttgaa 360
gatatgaaac aaaaatcaaa tttctggcaa agtaaattat ggtatatatt catacagtgg 420
gatattatgc tgtcactaag attacagtta caatgagttt ttaataactt gtaaaatgcc 480
tatgacataa tggtaaagtga aaaaaattac atttatactg tcaatcaggt aaataaatat 540
acgcacagaa agacaagtga aagaaaatat gcccaatggg tgctgctgga tgagaggtag 600
taactgatga cctttctgct ttttaaat tttctgttaa aaagaagcat ccaaattgca 660
aacacagttc aataacttaa tggactacaa agtctattta 700

```

<210> 1595
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1595
aaaaaaatta cttttatact gtcaatcagg taaataaata tacgcacaga aagacaagtg 60
aaagaaaata tgcccaatgg ttgctgctgg atgagaggta gtaactgatg accttttctgc 120
ttttttaaatt ttttctgtta aaaagaagca tccaaattgc aaacacagtt caataactta 180
atggactaca aagtctatct aagggttaca aacctgtgtg ctgaaaaaat ctcatacaaac 240
ttttgcttca aagcctttcc ttcacttaaa ggccaattag aatcttcttg atgacagaaa 300
atgacattat ttagcacagc cttggaaacc ccaagagAAC tgatcatttc tcggtcaatt 360
tctgcacact tagagctcag actgaccttt tcacctgccc tacagaaaat gaaaatcaag 420
aatatatgta aaataacctt cagtgtatct attctattgc ttaatcaatt catactgtac 480
ttcttttaaaa gaataaaaaa aaaggccctt cacctatccc gttagaaatg gcttcatcat 540
gctaaaaagt gtaactctta aactatttta cggttcacag atgaaaagat atgtaaaaaca 600
aagtagttca ggaaaggaag ccagaattta ttttttacat atttggactt ttaaataata 660
taatttagaa tacttagaga tactatatag agcatctaact 700
```

<210> 1596
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1596
aaaaggccct tcacctatcc cgttagaaat ggcttcatca tgctaaaaag tgtaactctt 60
aaactattta acggttcaca gatgaaaaga tatgtaaaac aaagtagttc aggaaaggaa 120
gccagaattt attttttaca tatttggact tttaaatata ataatttaga atacttagag 180
atactatata gagcatthaac tgtcttaaaa ataagagaca aagaataaaa caaaacatga 240
tgatcaatag cagacaggca aaggtaagtt aaaaacatct tagaatgggg ttctttcttc 300
agtaacagac tgctctgggtg agcagaggca atactgtctt ttactgtttt ttatacatct 360
caatttgtat tttgaaaata ttacactggg ccaggcacgg tggctcatgt ctgtaatccc 420
agcaatttgg gaggcgaggg tgaatggatc acctgaggtc aggagtctga gaccagccag 480
actaacatgg tgaaaccctg tctctattaa aaatacaaaa aaattagcca ggtgtgggtg 540
tgggcacctg taatcccagc tccttgggag gctgaggcaa gagaatcact tgaactcgg 600
gagggttgca tgagnngaga tnnnnncatt gcactccagc ctggggnnacn agagnganac 660
tcngtctcaa aaaaaaaaaa aaaaaaaaaa nnnnnagaaa 700
```

<210> 1597
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1597
gtctctatta aaaatacaaa aaaattagcc aggtgtgggtg gtgggcacct gtaatcccag 60
ctccttggga ggctgaggca agagaatcac ttgaactcgg tgaggttgca gtgagnngag 120
atnnnnncat tgcactccag cctggggnnac nagagnngana ctcngtctca aaaaaaaaaa 180
aaaaaaaaaa annnnnagaa aaaaaatnnn atnntgaatn tnttaagnnn gntttgcaga 240
gggntnnaat agacacagat aaatcaatag gttatcacat gaggtcatgg aaagacaatg 300
```

gtagcttgga	ctaggactag	aatggtggtt	gtagagatgg	aaacagattc	cagagacatt	360
tagattaaat	tcataggtct	cagtaataga	ctggatatgg	aaggcaaaga	catatcaaga	420
cttaggttct	tggcttttgt	cactggacgg	atagtgggtat	cattcaccaa	ggtgaggtat	480
accataagac	caagttgttg	gaggtttttt	aagggggggag	gtcaaagaga	aaggactgag	540
tttggttttg	gaaacgttga	acctaagttg	tctttgaaac	aactggtaaa	aaaaatcaga	600
gatggggctg	ggcgcggtgg	ctcacgcctg	taatcccagc	actttggggag	gctgaggtgg	660
gcggatcacg	aggtcaagag	atcaagacca	ttctggctaa			700

<210> 1598

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1598

ggaggttttt	taagggggga	ggtcaaagag	aaaggactga	gttttggtttt	ggaaacgttg	60
aacctaagtt	gtcctttgaaa	caactggtaa	aaaaaatcag	agatggggct	ggcgcggtg	120
gctcacgcct	gtaatcccag	cactttggga	ggctgaggtg	ggcggatcac	gaggtcaaga	180
gatcaagacc	attctggcta	acatggtgaa	accccatctc	tactaaaagt	acaaaaatta	240
gccaggcatg	gtggtgcacg	cctgtagtcc	cagctactca	ggaggctgag	gcaggagaat	300
cgtctaaacc	cgggagggcg	aggttgagct	gagctgagat	ttcaccactg	cactccagcc	360
tgggtgacag	acagagcaag	actccatctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaatcag	420
aaatgggtaa	ataggtcttg	gtaaatgggt	ctggaaacag	aggtctggtt	tggagatatg	480
acataaatct	gtgagtcatc	tatgaacaca	gagtagtttg	agcaatggat	aagaatgtga	540
ttacctagga	agaaaaatata	gagcaaaaaa	aaggagaaga	tacaggactg	agcctaata	600
gacttccaac	ctttatttgat	ggggtgaatg	aagtagtatg	tagctgtgat	agaaagagag	660
aacagtattg	tatcatggag	gtctagaaaa	agaaattttc			700

<210> 1599

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1599

ctatgaacac	agagtagttt	gagcaatgga	taagaatgtg	attacctagg	aagaaaatac	60
agagcaaaaa	aaaggagaag	atacaggact	gagcctaatt	agacttccaa	cctttattga	120
tgggggtgaat	gaagtagtat	gtagctgtga	tagaaagaga	gaacagtatt	gtatcatgga	180
gggtctagaaa	aagaaatttt	caaataaaaa	gtaataaact	agcattttact	tagctatggg	240
acatggaaca	atggctcctcc	aagatgtcca	catttttaatc	ccttgaattt	gtgaatgtta	300
cattgcacag	caaaagagaa	ttaagattac	agatggaatt	aggggtgtta	tcatttgacc	360
ttaaaataga	ctatcctgga	ttatttggtg	ggggcaaatg	taatcacatg	ggtcctttta	420
tgtgagagag	gaaggcagaa	gaagagagaa	gaagagggtca	cagtgatttg	atatgagaag	480
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gggtggcctc	taaaagacgg	aaagaacaag	gaaacatatt	ctcccttaga	gcctccagaa	600
aggaacgtaa	ccctactaac	atcttgattt	tagcccagtg	agacccaatt	cagacttcta	660
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<210> 1600

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1600

tgctttgaag	acagagtaag	agggcatgat	ctaaaaaata	tgggtggcct	ctaaaagacg	60
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catcttgatt	ttagcccagt	gagacccaat	tcagacttct	aaactacata	agtgtaatga	180
aataaatttg	tattgtttat	agcactaagt	ttgtggtttc	ttatagcagt	catagaagac	240
taatacatga	actcttacta	catgttaagc	attttatatg	cattagctca	accttgacaa	300
catctaagat	acacacagtg	aaaatgaatg	cctactttac	aaatgaaata	aacagaggct	360
cactcttagg	tctactttgt	atagcagcag	cattacccta	attaaaaaca	gagttattag	420

taacttttagt	cagaggtggt	tcaaaggacg	aatgggactg	caattggagt	gaagaggagg	480
tgaagaaatg	gagacagtat	caacaactct	tttgagagac	tggctataaa	ggagaagaag	540
gagacaggta	gtaactggag	tggaatgaaa	tcccagggta	tgagagatac	ttgagtgtgt	600
taaaatggca	atgatgaaaa	cctgcttgag	aagccagtat	agtgcctcca	gcacatagta	660
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<210> 1601

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1601

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acctgcttga	gaagccagta	tagtgctcc	agcacatagt	agatgtgcat	tattggttaa	180
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attagaaaa	gatacctgcc	tctaacagaa	tgataatggt	tgaaaggaac	aatttatcat	360
tctttcctac	ttgtctgctt	ctcatctcac	ccattcttaa	acatgacact	agaatttttt	420
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actcaagaga	atggaacata	accctaagtc	tttcatggga	tcattctatt	taactgacaa	540
atagtatcca	caaaaaatca	aatgttcata	gtggaggagg	ctgtgtgtgc	gtgggggtag	600
ggagaaaaatg	gaagctcagt	actttctgcc	caattttgct	ataaacccaa	aactgctcta	660
aaaaataaaa	gtctaaagtc	tattgaaaaa	aatttaatat			700

<210> 1602

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1602

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tactttctgc	ccaattttgc	tataaaccca	aaactgctct	aaaaaaataa	agtctaaagt	180
ctattgaaaa	aaatttaata	tgctccccta	aacttatagt	agaaaacaac	catcaactta	240
cagacctaaa	agactgaaaa	tgaacagaaa	ttcaaataac	atataaacac	ctactttggt	300
ctagtaatga	ctccttccag	agttttaaat	tctgtctttt	tgcttttctg	agtacacacc	360
atagatcttt	gcacagctat	aagttctcca	ttgacatcac	gaaattgcag	acgaatctgg	420
gctctcacat	ctgtttcttg	agcaaccttt	gaaggaaaac	acagaaaaaa	cttatgttac	480
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ggaacaaaaa	gaaaaacatc	caaaatgagt	gatattttta	catgctatcc	aaaatataga	600
agaatactgt	ttaattaatt	tacaaaaatg	atatactatc	tacctccttt	attcagcatc	660
attaggagat	caggtatgca	gatttttcaa	ataaatgaat			700

<210> 1603

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1603

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ccaaaatgag	tgatattttt	acatgctatc	caaaatatag	aagaatactg	tttaattaat	120
ttacaaaaat	gatatactat	ctacctcctt	tattcagcat	cattaggaga	tcaggtagtc	180
agattttttca	aataaatgaa	ttttatctct	gtaagcatca	aaaatgtttt	ttatccttaa	240
aaattgcaag	tttatagaaa	ggtagaatga	tttggtttgt	ctttgtctcc	acccaaatct	300
catcttgaat	ttccacatgt	tgaggagggt	accagttga	aggtaattga	atcatgggga	360
caggtctttc	ccatgctggt	cttgtgacag	tgagtaagtc	tcacgagacc	tgatggtttt	420
ataagaagga	gtttccccgc	acaagctctc	tttgccctgt	gctgtccatg	taagatgtga	480
cttgccgctc	cttaccttcc	accatgattg	tgaggcctcc	caagccaggt	ggaactgtag	540

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tccattaaac cctttctttt gttaaattgtc cagtctcagg tatactcttta ttagcagtgt 600
gaaaacggac tcatacagta aattgggtacc aggagtggag tgctgctgaa aagttatccg 660
aaaatgtgaa agcgactttg gaactgggta acaggcgagag 700
```

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<210> 1604
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1604
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tgtaaatgtt ccagtctcag gtatatcttt attagcagtg tgaaaacgga ctcatcacagt 120
aaattgggtac caggagtggg gtgctgctga aaagtatatcc gaaaatgtga aagcgacttt 180
ggaactgggt aacaggcaga ggatggaaca gtttagaagg ctcagaagag aggaaaatat 240
gggaaagtgt ggaactccct agagatttgt tgaatggcat tgaccaaagt gctgatgagg 300
atatggacaa tgaaatccag gttgagggtg tctcagatgg agataaggaa cttgttgagg 360
actggggcaa aggtgacttt tgttatattt tagcaaagaa actggcagca ttttgccctt 420
gccctaggaa tgtgtggacc tttgaacttg agagagatga tttagggtat ctggtgaaag 480
aaatttctaa gcagtaaagc attcaagcgg tgacttgggt gctgttaaag ggatgcagta 540
ttaaaaggga aacagcataa aagtttggaa aatttgcagc ttgacaatgt gatagaaaat 600
aaaatcccat tttctgagga ggaattcaag ccagctgcag aaatttgcag aagtaacaag 660
gaaccaaatg ttaattacca agacaataag gaaaatgtct 700
```

```
<210> 1605
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1605
cattcaagcg gtgacttggg tgctgttaaa gggatgcagt attaaaaggg aaacagcata 60
aaagtttggg aaatttgcag cttgacaatg tgatagaaaa taaaatccca ttttctgagg 120
aggaattcaa gccagctgca gaaatttgca taagtaacaa ggaaccaaat gttaattacc 180
aagacaataa ggaaaatgtc tccaggggca tgctcagagac ctttgtgaca gcccctccca 240
tcacaagccc agagggtttag gaagaaaaaa tagtttcgtg ggccaggccc aggggtccctc 300
tgctgtgtgc ggtctaggga cttggtgccc tgtgtcccag ccacaactaa aagaagccaa 360
ggtagacgtt ggcctgttgc ttcaaagggt ggaagcccga agccttggca gcttccacgt 420
gggtgttgagc ctgcaggtgc acagaagtca agaaatgagg tttgggaacc tctgcctaga 480
tttcagaggg tgtagggaaa cacctggatg cccaggcaga tgtttgctgc aggggtgggg 540
cccttatgga aaacctctgc tagggcaata tgggaaggga atgtggggtt gaaacccac 600
agagttccta tggaggggac tgcctagtgg agctgtgaga agacagccac tgtcctccag 660
actggtagat cccccagaat aatagatcca ctgacagctt 700
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<210> 1606
<211> 700
<212> DNA
<213> Homo sapiens
```

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<400> 1606
acacctggat gccaggcag atgtttgctg caggggtggg gcccttatgg aaaacctctg 60
ctagggcaat atggaagggg aatgtggggg tgaaacccca cagagttcct atggagggga 120
ctgcctagtg gagctgtgag aagacagcca ctgtcctcca gactggtaga tccccagaa 180
taatagatcc actgacagct tgcactgtgc acctggaaaa actgcaggca ctcaacacca 240
gacctgtgaaa acagccagga aggaggctat accctgcaaa gccagaagtg gagctgcccc 300
aggccatgga agcccacctc ttgcatcaga gtgacctgga tgtgagacat ggagtcaaag 360
gagatcattc tggagcttta agatacacct gcccactga atttcggact tgcacggggc 420
ctgtagcccc tttgttttgg ccaatttctc ccatttggaa tggctgtatt tgcccaatgc 480
ctgtatcccc attgtatcta agaagtaact aacttgcttt tgagtttaca ggcgcataag 540
cagaaggggac ttgccttatc ttgggtaaga ctctggactg tggacttctg aattaatgct 600
aaaataagac tttgggggac tgttgggaag gcattgattg ttttgaaatg tgaggacatg 660
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agattttggga ggggccaggg gtggaatcat atggttttggc

700

<210> 1607

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1607

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aagaagtaac taacttgctt ttgagtttac aggcgcatag gcagaagggga cttgccttat 60
cttggtgaag actctggact gtggacttct gaattaatgc taaaataaga ctttggggga 120
ctgttgggaa ggcattgattg gttttgaaat gtgaggacat gagatttggg aggggccagg 180
ggtggaatca tatggtttgg ctgtgtctcc actcaaactc catcttgaat ccccatgtgt 240
tgtgggagaa accaggtggg agataattga atcacggggg caggtctttc ctgtgctgtt 300
ctcatgatag taagtctcac gagatctgat ggtcattata agggggaatt ttctgcaca 360
agctctcatt tgccaccatg tgagacatga ctttcacctt ccaccatgat tgtgaggcct 420
ccccagccac gtggaactgt aagtccatta aacctctttc ttttgtaa at tgcccagtct 480
tgggtatgtc ttttaacagca gtgtgaaaat ggagtaatac acagaactac agtatacata 540
gctttctctg cccccaacc acatgagagt aagttgctga tctgatgtcc caacaccagt 600
atttcctaca aaacaaggac attttcaaca acaaaaatca ggaaactgat actgatatat 660
tattaccaca tgggccacaa atcccattca agttttgcca 700

```

<210> 1608

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1608

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agtgtgaaaa tggagtaata cacagaacta cagtatacat agctttcctg ccccccaaac 60
cacatgagag taagttgctg atctgatgtc ccaacaccag tatttcctac aaaacaagga 120
cattttcaac aacaaaaatc aggaaactga tactgatata ttattaccac atgggtccaca 180
aatcccattc aagttttgcc agttgttcca aaatgtgata agttaccatt aactcagctg 240
tggcatataa aataatgggt ctccaaagat gtccacattc taatcccttg aatttgtgaa 300
tgttacatta cacagcaaaa gagaattaac attacagatg gaactggggg gtcaatcact 360
tgactttaaa atagaaagat taccctggat tatttgaatg aggcaaagta tctacaaaaa 420
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gttgaaaaaa atttaatatg ctcccttaaa gtagttagaa atgaccatca tcttataaga 600
cctaaaagac caacaatgaa cagacattca aatatcatat aatcacctat tttttctgat 660
gtcttctgtc ttatattaat atggtcactt cagcattctt 700

```

<210> 1609

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1609

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tataaaccgg aagctgatct acaaaataaa gtttaaagtc tgttgaaaaa aatttaatat 60
gctcccttaa agtagtagaa aatgaccatc atcttataag acctaaaaga ccaacaatga 120
acagacattc aaatatcata taatcaccta ttttttctga tgtcttctgt cttatattaa 180
tatggctact tcagcattct tttcattagc tggcacggta tattttttcc atccttttgt 240
tttaaaccca tctgtactat tatatataaa aacactgtta ttccctttac tttatttagg 300
gttttttggg tattgtcctc catttttctc atgtttttat ttttatgttt ttatttata 360
ctatgaacat agttataaga tttataataa gattttaagg ttcttatcta ctaattctat 420
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cttttggact gaattaatca ggaatgaata actattcatc cattagttat gctgagagtt 540
tttatcatga atgagtatta aattgaaaag ctttttctgt atctattgat gctcatatga 600
tttttcttct ttattctatt actgtggcaa attatactga ttgttttttt ctttttctac 660
agcctaattc acttgtccca gtacgtcctt tagagcaaaa 700

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<210> 1610
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1610
 aggaatgaat aactattcat ccattagtta tgctgagagt ttttatcatg aatgagtatt 60
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 tactgtggca aattatactg attgtttttt tctttttcta cagcctaatt cacttgtccc 180
 agtacgtcct ttagagcaaa aggattcagt tcagaattac actttgtatt tgggtggtat 240
 gtctcctttac tttccttcag cctgaaatag ttgctcagat tttccttgac tttcatgact 300
 gataattttg aaaagtacag accattattt tgcagaatac ctcccaaaat ttgggtaata 360
 tttcctcacg actagaatca gggtatgtat ctttggcaag aatattatac aagcgatgat 420
 gagttccttt tactgcatct catcagacag gacatcattt ccatttatct cattacggag 480
 ggtattaact tcaatccctt tatttatttt tttgagacag ggtctcactt tgtcatccag 540
 gctggagtg cagtggcatga acacagctca ctgcatccac gacctctgag tcataagcaa 600
 tcctcctacc tcagccccc aagtagctgg gactataggt gcatgccacc acaccccgcc 660
 aatttttgta gttttttagt agatgtggtt tcaccatggt 700

<210> 1611
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1611
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 aacacagctc actgcatcca cgacctctga gtcataagca atcctcctac ctccagcccc 120
 caagtatgtg ggactatagg tgcattgccac cacaccccg ccaattttgt agtttttcta 180
 gagatgtggt ttcaccatgt tgccctagact aacttcaatc tcttgataaa ggtgtatctc 240
 ctactgtcac caaaaaattt ttctttacaa ttaattaata atttgagggg gagatgcaga 300
 gaccatacaa ctatctcata cttcatcaaa ctttcttcca ttagtttttag catctactgt 360
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 caacagcatg tgctcacttt gtgtctctgt gtcacatttt ggtaattctc acaatatttc 540
 aaactttttc attattattg tatctgttat agtgatctgt gataagtgt ctttgatggt 600
 actactgtaa ttgtttgtgt gccacaaacc atccacatat aagaggtgaa cttaatccat 660
 taacgtgtgt gtccctgactg ctttactgac ctgccattcc 700

<210> 1612
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1612
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 tgccacaaac catccacata taagaggtga acttaatcca ttaacgtgtg tgtcctgact 180
 gctttactga cctgccattc cgtctctctt cctctcctt ggaacctgat tgccctgagac 240
 acaataatat ggaaattagg ccaattagta accctacaac agcccctaag tgtttaagcg 300
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 aaaagcatgt caaaatccaa aacagggttg aagttaggcc tctttcatca gttagctgag 420
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 ctctctgcaa ttctatgaag gctgagagaa gtaagaagc tgcaaagaaa agttggaagc 660
 tagcaatggt tggttcatga ggcttaaaga aagaagctgt 700

<210> 1613
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1613
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 cattccctca ggccaaaacc taatccagag caaagcccca actctctgca attctatgaa 120
 ggctgagaga agtaaagaag ctgcaaagaa aagttggaag ctagcaatgg ttggttcatg 180
 aggcttaaag aaagaagctg tctccacaac ataaaagtg cagggtgaagc agcaagtgtc 240
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<210> 1614
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1614
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 tatgctgagg gtttttacc cgaagacta ttaaattgaa atgcgttttc tgtatctatt 180
 ggtgttcata tgatatttct tttttattct gttaatgtgg caaattatac tgattgggtt 240
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 gcacttgaaa ataaagtgt ttctgctatc gttcaatgga atgtcctata aatgtcaatc 600
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<210> 1615
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1615
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 tgttggttaa attttccata tacttactga tatttcatct gcttcttttc tctactgaga 180
 ggggtattga gatctccaat tgaccttgca gatttggtga tttctccatt ctgttccata 240
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 tttgctttta acctatttgt accattatat acaaaacacc attattccgt ttatttgggt 480
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 tatttataag agttataata aggttttagg gttcttatct actaattcta ttatttcttt 600
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 ctttggatgc ctgttaactt ttgattgtga attttgattt 700

<210> 1616
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1616
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tgattgattt ttctctgatt atgggtccta tttccctgct tctttggatg cctgttaact 180
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tacaatcatt ttcgacattt tccttcagcc tcaaaaactt tctttaacaa ttactatagt 420
gcaagcctgt ctgtaacaaa ttacctctac cattttgttt taaatctgaa aatgtcctcc 480
atttcacctc caattttcaa agaataattt tgctggatat aggagttaa cttttattcc 540
ctagcacctt aaaggtgctg tcccactgtt ttcaggttta gattgctttt cctaagaagt 600
aatcatactc attattcttt ccctctgcac gatgtgttac ttttctctcc acctgttttt 660
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<210> 1617
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1617
aagaatattt ttgctggata taggagttta acttttattc cctagcacct taaaggtgct 60
gtcccactgt tttcagggtt agattgcttt tctaagaag taatcatact cattattctt 120
tccctctgca tgatgtgtta ctttttcttc cactgtttt taagatttta tatttagttt 180
tgaacaattt gaatgtaatg tacaacatag ttatgtttat gctgcttggt atgcattcag 240
cttcttgggg ctttttttat agtttttatt actctgttta gatgtcttcc cacacattat 300
gtccatcttt tcctttaagt ccttgagctt atctatcata gctttaaaaa aatccggctg 360
ggcgtcgtgg ctcatgcctg caatcccagc actttgggag gccgaggcag gcggatcaca 420
aggtcatgag ttcgagacca ggttggttaa tatggtgaaa ccccgctctt actaaaaata 480
aaaaataaaa aaataaaaaa tcagccgggc atggctggtg gcacctgtag ttccagctac 540
tcgggagggt gaggcaggaa aattgcctga acctgggagg cacaggttgc agtgagccga 600
gattgtgcca ctgcaactca gcctgggaaa cagagtgaga ctccatctca aaaaaaaaaa 660
tttaaaaaaa atttaaaaaa aaatccttgt ctgctaattc 700

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```

<210> 1618
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1618
atcagccggg catggtcgtg ggcacctgta gttccagcta ctcgaggagg tgaggcagga 60
aaattgcctg aacctgggag gcacagggtg cagtgaagcc agattgtgcc actgcactcc 120
agcctgggaa acagagtgag actccatctc aaaaaaaaaa atttaaaaaa aatttaaaaa 180
aaaatccttg tctgctaatt ccaaaatctg tcatctctgg atctgcttct actcactttt 240
cccttctcag gtatagacca cattttcttt tgcataattc cattaatttt taaaattata 300
ttctgcacat tgtagatgcc acattgagag cttcgactga gtaggcttcc tttaaaaagt 360
cttgagtttt gttctagcag ccagttaatt tactggcaac tcagcttgat tctatcaaaa 420
cctggtttca gtatttggtt ggtgggctt tctgaggtct caagtgaaca ctggagagtt 480
ccacaaggtc actccattct ggcacatcag gactcaaatt tctcacagca ttgtgtgacc 540
tttagaatac aacactcaca gccccacttg ccaccttggt agttgttctc tactagccct 600
cattaaatct catcctatac atggatagct tagtatttgg ccaaagactc aaaagatcct 660
tatgcagatt tctggtacac catctctgca caacaacct 700

```

```

<210> 1619
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1619
tggcacatca ggactcaaat gtctcacagc attgtgtgac ctttagaata caacactcac 60

```

```

agccccactt gccaccttgg tagttgttct ctactagccc tcattaaatc tcatacctata 120
catggatagc ttagtatttg gccaaagact caaaagatcc ttatgcagat ttctgggtaca 180
ccatctctgc acaacaaccc tacttcagta ctctgctcta caatttccag tcacttttagc 240
aaatccaaaa tcctatcttt gtttcatctg cctagtgatg cccaattctg cccagctctc 300
tactggattc caattccatg tgccaaagtt tacaaagtg tcccaggtag aaagctggaa 360
tgaatgcaga atcacctttt atgtttctcc tttctcaaag aatatagccc tgcattatct 420
gtggtccaat gcctgaaaat agttgtttca catacttttc cagtgttaca gttattcatc 480
ttgcgagtat aagtgtgata ctcatatttt tggtgcaacc caaatcacia gtactggatt 540
ctgcttttaa aaaaaaaaaa cattaagat cttttgctga ctttttaatg acttcttggc 600
atgaatttaa ctttgatact aattcaatta atcattcaac aaatatttac aggcactttg 660
taggtttcat gtgttgtttt ggttcaaact gacagacttt 700

```

<210> 1620

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1620

```

actcattatt ttgttgcaac ccaaatcaca agtactggat tctgctttta aaaaaaaaaa 60
tcattaaaga tccttttgctg actttttaat gacttcttgg catgaattta actttgatac 120
taattcaatt aatcattcaa caaatattta caggcacttt gtaggtttca tgtgttgttt 180
tggttcaaac tgacagactt tttttccttt gaagcatgca agatagggtta aatgtagaca 240
aggtgtgcta aacaccatca taagcacagg ataactctgg agtaciaaagc aggagcatct 300
aacctatcta ggacagctca gggaaggtag tctaaaggaa gtgaatgttt aaatgaaact 360
tctaccaatc tgggtagaag ttaaccagat gagaagatct gagtcactac gtgactacag 420
aaatttcaga atgtttggca tagaaagtag ggaaaagaag agtatcaacc taaaatgttt 480
cagaaattaa cagccttcta aacttggtta ggcttttgga ttttaaggta tggcactaaa 540
tggtttgaac caggggaatt gcatgaagta gatatgcatt ttagaagaat tattttgtct 600
ttagggtgaa cagagtgaac tgagacaaga catgaagcag ggaataatcg aggagagata 660
ggaaggcagc ctggacaagg gttgaggatg gaggtaaaga 700

```

<210> 1621

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1621

```

aaacttggta aggcttttgg atttaagggt atggcactaa atggtttgaa ccaggggaat 60
tgcataagat agatatgcat tttagaagaa ttattttgtc tttagggtga acagagtga 120
ctgagacaag acatgaagca gggaataatc gagagagat aggaaggcag cctggacaag 180
ggttgaggat ggaggtaaag aggaagaagt cgctgaactg gctactcaga aacagcctct 240
taggatacag acatttcaat gaggaggtgg ccagaggtca gtataaagct ttgaaagccc 300
agacttgact ctgtcatttc atcataagga gagcattctg ctgaagggtt aatccacagt 360
agttgaacta aggagctatg tatttatgca gcaaaaaatt aatttgttta cagtgttctt 420
gagtagcaag ccaaatatcac atactcttcc tccatggcat ctacttttcg aggacctagc 480
taccggcga acatcaaatt agtaaataga attcaagcaa gggctatctt gtagcatttc 540
tatcactaca ttgttggtga cactcttatt gaagaagagt cacttcaaaa gtgaagtgt 600
atttagattg aattattaaa acaaagaaat gtgtattata cttcagaaca atttctatca 660
aaaagaataa aataaaaaat aagaaaaacc cttctttctc 700

```

<210> 1622

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1622

```

tagtaaatag aattcaagca agggctatct tgtagcattt ctatcactac attgttggtg 60
acactcttat tgaagaagag tcacttcaaa agtgaagtgt aatttagatt gaattattaa 120
aacaagaaa tgtgtattat acttcagaac aatttctatc aaaaagaata aaataaaaaa 180

```

taagaaaaac	ccttctttct	ccaaacaatc	tagttgtaaa	accattaggt	ggggcagaag	240
aaggtgctg	ttcatgccag	ctgaagggtta	aggcacctat	aactcagcct	agagtggaa	300
aaatgagctt	gagtaggctg	agaagggtac	cctcatgggg	aaacagcttg	gcatagacag	360
agtttcaaga	gtccaatggg	atcagagttc	cagcaggatg	aaagaggaat	ccacaaatag	420
gggggatcca	gctcagaagc	agagtgtcca	cgccagggaa	tagtgtgggg	attcagagcc	480
tgataatgat	gagaaggggg	cccacctgag	ggttaagtcg	gctaggggga	agtcagatca	540
tagagtagag	acggcattct	tgcaagaagc	cacctgggtat	aaagtatcag	actgagaaga	600
gtgaccctct	cagtgcacac	gatctgggga	gattcaggtc	agagtacagt	gggcatccct	660
gcaagaggcc	acctggtatc	agagaagggc	ggggaatgag			700

<210> 1623

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1623

gcccacctga	gggttaagtc	ggctaggggg	aagtcagatc	atagagtaga	gacggcattc	60
ttgcaagaag	ccacctggta	taaagtatca	gactgagaag	agtgaccctc	tcagtgcac	120
agatctgggg	agattcaggt	cagagtacag	tgggcattccc	tgcaagaggc	cacctgggat	180
cagagaaggg	cggggaatga	ggacatgatc	tagcaccaga	agtcaaaagt	tatacagaat	240
ggaaaagcat	cccattgagg	agtcagaatg	aagagtcaag	agcctacgca	ggataaggaa	300
gactggcata	cagggatgga	gtcagcccat	atgaggtgct	agggccctga	tgcaacgatg	360
agacattgat	tacatacagg	aggattgatt	aagtcaatat	attaagatta	tggttgata	420
agtacattct	tgactgcta	taaaaaaaaa	acctgaaact	gggtaactta	taatgaaagg	480
aggtttaatt	ggctcacagt	tccacatgct	atacaggaag	caagactggg	gagacctcag	540
gaaacttaca	atcatggcag	aaggcaaagg	ggatgctggc	acatcttaca	tggttgagc	600
agaagaaaaa	gagtaaaggg	ggaattgtga	cagattttta	aacaaccaga	tctcatgaga	660
atttactcac	tatcatgaga	acagcaaggg	ggaaatctac			700

<210> 1624

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1624

ttccacatgc	tatacaggaa	gcaagactgg	ggagacctca	ggaaacttac	aatcatggca	60
gaaggcaaa	gggatgctgg	cacatcttac	atggctggag	cagaagaaaa	agagtaaagg	120
gggaattgtg	acagattttt	aaacaaccag	atctcatgag	aatttactca	ctatcatgag	180
aacagcaagg	gggaaatcta	cccccatgat	ccaatcacc	caaccaggct	cctcctgcaa	240
caagtccctg	agacttctgc	ctggacatcc	agacgtttcc	atacatcccc	tgaaatctag	300
gtggaggctc	ccaagcctca	actcttgctc	tctgcgcaac	cccaggctta	acaccatgtg	360
gaagctgcca	aggcttacag	cttgagcctc	ctggagcagc	agcttaagat	atatctgggg	420
cccttttagc	catggctgga	gctggagtgg	ctgaaacaca	gggagtagtg	tcctgtaata	480
ggaggggctg	ctgtgaagat	ctctgaaatg	ccttctagcc	attttcccca	gtgtcttggc	540
tattaaacat	tctgctcctc	tttacttatg	caaatttctg	cagccggctt	gaattcctcc	600
ccagaaaatg	ggtttttctt	ttctaccaca	tgatcagggt	gcaaattttc	caaactttta	660
tgctctgctt	cccttttaaa	tataagttcc	agtttcagat			700

<210> 1625

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1625

tctctgaaat	gccttctagc	catttttccc	agtgtcttgg	ctattaaaca	ttctgctcct	60
ctttacttat	gcaaatctct	gcagccggct	tgaattcctc	cccagaaaa	gggtttttct	120
tttctaccac	atgatcaggg	tgcaaatctt	ccaaactttt	atgctctgct	tcccttttaa	180
atataagttc	cagtttcaga	tctcttttgc	tgcacatatg	agcatatact	gctagaagca	240
gccaggccac	atgttgaaag	ttttgctgcc	tggaaatttc	ttccaccaa	tactctaaat	300

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catctctttc aagttcaaag ttccacagat tcctagagca ggggcacaat gctgccagtc 360
tcttttgctaa agcatcgcaa gagtgcacgt tactccagtt ctcagtaagc tccttatctc 420
catctgagac ctctctcagcc tagacttcatt tattcatatc actgtcagca ttttggtcaa 480
aataatttaa caagtctcta ggaagttcca aacttttcct catcttcctg tcttcttttg 540
agccctccaa actgttccaa cctctaccca ttaccagtt ccaaagtcac ttccacattt 600
tcagctatct ttatagcaat accctactct cggtagcaac tttctgcatt agtctgtttt 660
ctcactgcta caaagaaata cctgaaactg gttaaagaaa 700

```

<210> 1626

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1626

```

aggaagttcc aaactttttc tcctcttctt gtcttctttt gagccctcca aactgttcca 60
acctctaccc attaccaggt tccaaagtca cttccacatt ttcagctatc tttatagcaa 120
taccctactc togggtaccaa ctttctgcat tagtctgttt tctcactgct acaaagaaat 180
acctgaaact gggttaaagaa aagaggttta attggctcac ggttctgcag gctgtacagg 240
aagcatgact gcggaggcct caggaaactt acaatcatgg cagaagggtg agaggaggct 300
ggcacatctt acacggccag aacaggagga agagagtga gggggagggtg ctacacactt 360
ttaaacaatc agatctcatg agaacttact atcacaagaa ctgcaagggg gaaatccacc 420
tccatgattc aatcacctcc caccaggccc ctctccaac aatgggggtt acaatttgac 480
atgagatttg ggcagatata aattcaaacc atatcggtac tcaattcctt gcttctcatt 540
accttcatag tatttaccaa atcccccaacc atggataaat gcaactttcc aatttattca 600
gtgcttgggc tgaacaagac tgaaaaaaca tacataacca tgatggctgg tctctcttta 660
aattttcaca aaaccctga cactgtcatg taatcccaga 700

```

<210> 1627

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1627

```

aaattcaaac catatcggtg ctcaattcct tgccttctcat taccttcata gtatttacca 60
aatccccaac catggataaa tgcaactttc caatttattc agtgcttggg ctgaacaaga 120
ctgaaaaaac atacataacc atgatggctg gtctctcttt aaattttcac aaaaccctg 180
acactgtcat gtaatcccag aacacctccc ttaatcaatt tacttactga gggtaaaaac 240
tattctatgt tttctaggct caatcaaccc cttctgccac tctcaaccag taacttcatt 300
tcttttttca tttgagaata taaaagcaat caaaagagaa cttactcatt ctttcaccac 360
taaagtttcc aatcatataa tctgcctaaa tccctgttac aatggataac agtggatggt 420
cctggtatcc cctccagttg ggcaatggat cttatctctt tttgcctact caagaattgt 480
gctctgtaat tatccccctc cctgcatcaa tgtttctgtc cagagtcatt cccaacagtc 540
tacaaatgct ctagtatatc ccacttttaa aaacacaata aaacaacaac aacaaaactt 600
tcctttatcc tgtaaacctc ttcagctact gtctatgtc tgtgtccact tacaacaaaa 660
ttcataaaat aattctgttt cacttcttta tcttttctct 700

```

<210> 1628

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1628

```

tcctgcatca atgtttctgt ccagagtcatt tcccaacagt ctacaaatgc tctagtatat 60
cccactttta aaaacacaat aaaacaacaa caacaaaact ttcctttatc ctgttaacct 120
cttcagctac tgtcctatgt ctgtgtccac ttacaacaaa attcataaaa taattctggt 180
tcacttcttt atcttttctc tgattactgg aactggtttt gtcaagagca acaacggact 240
ccacatatcc aaacactcct cttctttctt gagctatcaa catatttgac acagttgatg 300
atttctctct tataacactt tattctcttg tcttccaaga caccactctc tcagttttcc 360
ttacttaacg aattgctctt ttactagctt ctctctctct tcccaatttc taaaggcatc 420

```

```

atcggtctcta gtgctctagg ttaaggtctt gaatatcttt tccatattca ctctctatatt 480
gatctcatca ggctttaaaa attaactatg tggaactacc tgtatacact aatgattcct 540
aattttcttt ctccagtcct aatctctttc ctgaacagac ttctgcttgc caactggaca 600
tctccttttg atatttaaca catatcccta atttgcatgt ttaaaccaga tccacccaaa 660
tattttttcc atagtcccc tattataata aatgacaaaa 700

```

```

<210> 1629
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1629
aattaactat gtggaactac ctgtatacac taatgattcc taattttctt tctccagtc 60
taatctcttt cctgaacaga cttctgcttg ccaactggac atctcctttg gatatttaac 120
acatatccct aatttgcatg tttaaaccag atccacccaa atattttttc catagtgcc 180
ctattataat aaatgacaaa actattttat ccagttgttc aagccaaaaa ctttggagtt 240
atgcttgatg cttttacttc ttctatacac cattatccaa accattagct aatttggttg 300
ttctatcttc aaaatacatc ctaaaatcaa acatttctca ccattctacc actaccttaa 360
tgaagccacc tatatttctc acctggatca tcacaaaatc ttcttaattt gtctctgccc 420
tatctttgct catatttctc agtcttctct cagcaaccag actgagcact ttaaaagata 480
aatcagacca tgtcctttcc ctgctcaaaa tctcccaata gacagattcc tatttaata 540
agactagaat ccaaggacct acaggatcta gtctctccta tctttctaac tttattttct 600
accattttcc cttgttcttc cttgtcattc cttgaacaca ccaaccatgc tcagggactc 660
tgcaactaga ctgaatgaaa tgttttcttc ccagattttg 700

```

```

<210> 1630
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1630
cctgctcaaa atctcccaat agacagattc ctatttaaat aagactagaa tccaaggacc 60
tacaggatct agtctctcct atcttttctaa ctttattttc taccattttc ctttgttctt 120
ccttgtcatt ccttgaacac accaaccatg ctcagggact ctgcaactag actgaatgaa 180
atgtttttct cccagatttt gaacaactca ttccctcttg aatgaatatt taaaagacaa 240
ctctgattac tctgtgagaa agagagagct tcaagaatga gggcaggaaa ataagttagg 300
agacgattct aatagttgaa agggaatatg atggtggctt ggaacaggaa cacagtggcc 360
gatggaatga agtagacaaa ttctgacata ttttagaagg gtaggtaaga attgcttatg 420
tagggatgat gacatcattt acaaaaactgg cgggggtggg gtactgaggt agtaacagag 480
ctgagaatgt aggcaggaag tgggtacaag gaatcaagag ttctgttttg aacatgttaa 540
atgtgagatg cccattaaat atccaaacaa acagctagac atatatgtct agagttaagg 600
aaagaagtca ggggtcaaata tataaatgtg gtagttacca gcacataacc agtacttaaa 660
gccgttagac tgaataagct catccaagag agatagggaa 700

```

```

<210> 1631
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1631
gtgggtacaa ggaatcaaga gttctgtttt gaacatgtta aatttgagat gccattaaa 60
tatccaaaca aacagctaga catatatgtc tagagttaag gaaagaagtc aggggtcaaat 120
atataaatgt ggtagttacc agcacataac cagtacttaa agccgttaga ctgaataagc 180
tcatccaaga gagatagggg agagggttaa tgcaaagatg gccactctt gtgtcacact 240
ggctttttag aatcaagcag gttgggtgca gtggctcaca tctgtaatcc cagcactttg 300
ggagactgag gcaggtggat cacctgaggt gaggaggttg agaccagcct ggccaacatg 360
atgaaacccc gtctctgcta aaaatacaaa aattagctgg gtgtggtggc acaccgtaa 420
tcccagctac tcaagaggct aaggcacaag aatagcttga acctgagaga cagaggttgc 480
agtaagccaa gatcatgcc aactgcactc cagcctgggc aacagtgc aa gactccgtct 540

```

```

cataaaaaaa aagaaatcaa gcaaaggtag acccaacaaa gactaaagta tagccagtga 600
gaaagaagga aactatgaga ttatagtgtc acaaaagcca agaaggaaat atatttttaa 660
aaagaaatag ccaactgtgt caaatctgac aagatgttaa 700

```

```

<210> 1632
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1632
acactgcact ccagcctggg caacagtgca agactccgtc tcataaaaaa aaagaaatca 60
agcaaaggta gacccaacaa agactaaagt atagccagtg agaaagaagg aaactatgag 120
attatagtgt cacaaaagcc aagaaggaaa tatattttta aaaagaaata gccactgtg 180
tcaaactctga caagatgtta atgagaatta gaaactgacc actctatctg gcacattgag 240
attattgggtg accttacaaa ggcactttta gtggaggaaa aaaagaaaac ctgaatggag 300
tagattgagg gaaaaatggg agtcaatgaa gtaaagacaa tgaggacata caaatcttat 360
gaattttgaa atatattgga acagagaaaa ggtaatggct agagggtaaa ttggagtaaa 420
gggagagttt tttgtttgaa gactagagat accagagcat gtttatatgc tgatgtgaat 480
gatccatcaa gagaaactgc tgatccagga gagagatgga aaaactgaag ggcaaaatcc 540
ttgggtggat aagagggatc aatgagatct agcctccaag gagctgggtc atgttttagat 600
aaaacaacaa ataatttatc caagaaaaaa cagtatgggc acgtatgtac agtagtttcg 660
tagatgtgat gattggaaaa taagggaatt ctcatttgat 700

```

```

<210> 1633
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1633
ctgatccagg agagagatgg aaaaactgaa gggcaaaatc cttgggtgga taagagggat 60
caatgagatc tagcctccaa ggagctgggt catgtttaga taaaacaaca aataatttat 120
ccaagaaaaa acagtatggg cacgtatgta cagtagtttc gtagatgtga tgattggaaa 180
ataagggaaat tctcatttga ttcttcctat ttctcaataa agtacaaagc aagatcatca 240
attaaggaaa gtagattgta gattttaagga gagagaaggt gggaaacagt cattatggag 300
aggactcagt aaatgtacta aatactatta catttctaag aggaaaattc ataaatattt 360
tcataattac agagttatct ttaatcacac taaggtagaa acaaataata atcaacaggg 420
ggtcatttaa taaactacag gatataaact caatggaata caatttacta attaaaaaca 480
ataaaataga agtataaaat tatattaatg tgctaaaata tgtatgtgtg aatgcattta 540
tgtgtctcag tagacatggg ttataaagca gaaaaaagct tggaagaata cgtaacgaaa 600
acatagtgga actgggggtc gggagcggct agagagggc atgacccccc taaaaacgaa 660
taaactatat atatatgtgt gtgtgtgtgt gtgtgtgtgt

```

```

<210> 1634
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1634
ttatattaat gtgctaaaat atgtatgtgt gaatgcattt atgtgctcac gtagacatgg 60
ttttataagc agaaaaaagc ttggaagaat acgtaacgaa aacatagtgg aactgggggtc 120
agggagcggc tagagaggca catgaccca ctaaaaacga ataaactata tatatatgtg 180
tgtgtgtgtg tgtgtgtgtg tgtattgttg ttctacttct atatgtgcaa aaacaaacct 240
atagaccaaa ttctatgtcc ttacacata cgaatagtat aaacaccata attcaaaca 300
tgattcatat acaaagattt ttatcatgat actttttttt ctagacagtg ggtctcacta 360
tattgtccag gctagccttg aactcctggg ctgaagcaat cctcccatct cagcctctag 420
agctatctgg gagtattggc acacaccccc aagcctggct tatcatggta cattttaatg 480
aaaaactgaa agcaatctaa tgtaagaaaa ttacataact actaaagtgt tcatgcactt 540
taagtagaaa atatctcaga catacaaagc agtataaaga ttaaaagaaa cacttacata 600
ccaaacaccc agatgatagt tttttaatga cataggactt catgataatg ttaagtgggg 660

```

aaaaaaaccc agaatacaaa attaagagta tgacatcagc

700

<210> 1635

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1635

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tcattacaaa	aatattat	atcatggaaa	ctataaaa	taaaatctga	cattataaaa	600
cctgtaataa	aaatatgatt	aagtgttaat	gctgtaagtt	cacagaaatg	ctatataact	660
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<210> 1636

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1636

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taagtgttaa	tgctgtgaag	tcacagaaat	gctatataac	taagaagtta	tcctaataatg	180
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ggggggagag	agtctccctc	tgtcacccag	gctgggtgtag	tgcaatggcg	tgatctcggc	600
tcactgcaac	ctccacctcc	ccggttcaag	cgattctccc	gcctcggcct	ccccagtagc	660
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<210> 1637

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1637

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cccttctgct	agtatttagt	acaatcctaa	gtacataaca	agcattcaac	aaataacatt	540
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ctcttcacaa	atccttcctt	tagactcttc	tccctgctat	actgacatcg	tcttgctttt	660
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<210> 1638

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1638

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ttagactctt	ctccctgcta	tactgacatc	gtcttgcttt	ttcttaagcc	actattcctg	180
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agttttccaa	gttaagcccc	actacatcag	ttacattttg	aatttattta	ttttccatgt	360
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ccagggtccg	acatccttcc	gggactgctt	caggcaaaact	cctaagggtc	ctgtagcctg	660
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<210> 1639

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1639

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cgggagagag	ggggcggggg	atggagcctt	tcctcccaca	ccagctgctt	tccccgcggg	660
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<210> 1640

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1640

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gatggagcct	ttctcccac	accagctgct	ttccccgcgg	gtggggagag	cggaggcggg	180
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 gatcacataa catgtgatga cgccattgca gtggcgggta 700

<210> 1641
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1641
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<210> 1642
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1642
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 tgctctgcc tgctttggaa aaatgtagga aatgtttctc cagtcataca atcccaagca 180
 aataatttac agaacctaat acataaatgt atgtgccaaa ggatgcaagt ggggaagacc 240
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 gcgccgatgg tcccagctac tcaggaggct gaggcaggag tatggcatga acccgggagg 660
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<210> 1643
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1643
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 ctcaggaggc tgaggcagga gtatggcatg aaccggggag gcggagcttg cagtggccg 180
 agaccgcacc actgcactcc agcctgggca acagagcgag actccgtctc aaaaagaatt 240
 tactatctta accaagtgtt catttcagtg gtgttaagta tactcacgta caaccgtcac 300
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<210> 1644
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1644
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<210> 1645
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1645
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<210> 1646
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<210> 1647
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1647
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<210> 1648
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1648
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 tggaaactgg ttttgccata gatgtgtgaa ggaaatttgg gagataagta gggaaatttc 240
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 aagtattagt gatagtgtgt catgttgtct gtaattttaa atacttcaga aaaaaaatag 660
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<210> 1649
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1649
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<210> 1650
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1650

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<210> 1651

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1651

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caattactgt gattgctggg aaatttaggc atatgtctta ttctgtgct ttttctttgt 600
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<210> 1652

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1652

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accagcatat ttatcaaact ctttgattcc cactgcttct gcgtcacttc ttccttctgg 480
gttcattcgc tctccattag caaaccttt aaagcctggg gctaattggac cttcagagaa 540
agaaatatat ctctggtgc taatatcaag attaaacaaa gctatttttg tgaaaatgct 600
ttataaattg taaaaccctg tgaaaatata agagttattt ttttctggcc aggcgcattg 660
gctcacacct gtaatccag cactttggga ggccgagatg 700

```

<210> 1653

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1653

```

gcaaaacctt taaagcctgg tgctaattgga cttcagaga aagaaatata tctcctggtg 60

```

```

ctaatatcaa gattaaacaa agctatTTTT gtgaaaatgc tttataaatt gtaaaaccct 120
gtgaaaatat aagagttatt ttttctggc caggcgcatt ggctcacacc tgtaatccca 180
gcactttggg aggccgagat gggcagatca cgacgtcaac agatcaagac catcctggcc 240
aacttggtga aaccccgctc ctactaaaaa tacaaaaatt agctgggcat gatggcgcg 300
gccttttagtc ccagcttctc tggaggctga ggcaggagaa tcgcttgaac ccaggaggcg 360
gagcttgacg tgagctgaga ttgtgccact gcactccagc ctggcgacag agtgagactc 420
tgtctcaaaa aaaaaaaaaa aaagatttct ttttctgca ttggatattt tcagagggtg 480
atctggtaaa atgtaacaaa gctataaaca tgattataca agttcattag cataaggaaa 540
atttttaaaa ttttacacag gtgtttatag tagcattggt taaaattgtg gaaggctaga 600
aacaacccca gtgcctaaaa gttgggaaat ggtgatggaa actatggtac atcagtttca 660
tctaatagca ggttatcact aaaataataa gtaggaaatt 700

```

<210> 1654

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1654

```

agctataaac atgattatac aagttcatta gcataaggaa aattttttaa attttacaca 60
ggtgtttata gtagcattgt ttaaaattgt ggaaggctag aaacaacccc agtgcctaaa 120
agttgggaaa tgggtgatga aactatggta catcagtttc atctaatagc aggttatcac 180
taaaataata agtaggaaat tgtatagata tgtgaaaaag aaatactcat aaaaaagata 240
aatacaaaact gcatatatct actgattaaa actgtaaaac tgtctatgtg ttggtaaggt 300
ttagaagatg atttcaaaaa actgatagtt gctataccaa gaaattctgt gtttattttc 360
ctataatggt atttattcaa ttaaaaaatc atattaaagg gagattgaaa ggatagaatt 420
tcgaatagag tcaagaagaa aaagagatgt tatcaattta catttagtca tcatgaaaat 480
tgcgaggcat catgctcagt tgattagaat cagttcatgg aaaagtcatt tgaccttaag 540
gactacacag taaaaaccac agttatcagt tttaaagaca tgttgccaat gtgttacc 600
ctaatagaga taaaagtttt agggcaaaag gatggatggt acccgccaat gtaacttttc 660
aatattaatc aaagtgcctt ttttaaat 700

```

<210> 1655

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1655

```

ttgattagaa tcagttcatg gaaaagtcatt ttgaccttaa ggactacaca gtaaaaacca 60
cagttatcag ttttaaagac atgttgccaa tgtgttacc actaatagag ataaaagttt 120
tagggcaaaa ggatggatgt taccgcgcaa tgtaactttt caatattaat caaagtgtt 180
tttttaaatt ataaaattac caaccagtaa ttattttaa atcaaagtac taattgttta 240
tttctttcta tttccctaaa ataacgtgga ttttaaaaa tctaaatggg agttcacatt 300
gcctccgtct ctgtagctga actttaaagc tttgctctct tttgccagg agttctgcca 360
aagaactcct gttgtttgtt actttaggct ctagctgca ggtaaaagac tccttgaggc 420
cgggcacggg ggctcatgcc tgtaatccca gcactttggg aggcgaggc gggcgatca 480
cgaggtcagg agtttgagac cagcctggcc aagatgggta aacccatct ctactaaaaa 540
tacaaaagtt agccgggctt ggtggcagtt gcctgtaatc ccagctactc aggaagctga 600
ggcaggagaa tcgcttgaac ctgggaggcg gaggttgcag tgagccgaga ttgcaccact 660
gccctctagc ctgggtgaca gagcaagact ctgtctcaa 700

```

<210> 1656

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1656

```

ccagcctggc caagatgggtg aaaccccatc tctactaaaa atacaaaagt tagccggg 60
tggtggcagt tgctgtaat ccagctact caggaagctg aggcaggaga atcgcttgaa 120
cctgggaggc ggagggttgca gtgagccgag attgcaccac tgccctctag cctgggtgac 180

```

```

agagcaagac tctgtctcaa aaaaaagaaa aagacttctt gagtttccac agtatagtaa 240
tcctcactta atgtcatcaa taggttcttg gaaacagact ttaagggaaa cgatgtataa 300
caaaaccaat tttaccgtag gtgaattgat atgaacaaag cttacattcc tatggcatat 360
ttctggccac aaaaatatca tcacacttct aaacaaagac caaacacttc taatattaaa 420
cattgaaaca attatgagct atatgtacat ttaagaaaga ttcataaaaa caagtaagat 480
aacttaccba actattccag ttgaagggtg aagatggctg gagtttatcc cggtagctca 540
aggtacaagg tgagcaccaa tcctggatag ggcgtcattc cattgcagag cacacagacg 600
cacacacaga cgcacacaca cacactcaca gactgggact gtgtagacat gccaatcac 660
ctcgcgtgca catctttggg atgtgagaga ttgtgcaaac 700

```

<210> 1657

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1657

```

gttgaagggt gaagatggct ggagtttata ccggtagctc aagggtacaag gtgagcacca 60
atcctggata gggcgtcatt ccattgcaga gcacacagac gcacacacag acgcacacac 120
acacactcac agactgggac tgtgtagaca tgccaattca cctcgcgtgc acatctttgg 180
gatgtgagag attgtgcaaa ctccacatag acaatggctt tggctgggaa gcgattgttt 240
ttcttatcaa cagtataatg aaataacgtg gaactaagca aagttattca aggacctgct 300
gtattcacat taactcaacg agtacaacaa aagataaagt tgttgtaagt gcctgcttgt 360
tcattcagtt agttatttaa caaatcttta ttttactgtc tacaataggc tagtctctca 420
ggatgaagag atcgattcaa taaaaacctt attctcaagg agctcatagt ctactggtga 480
aataaaaagg tgccaactgc attacactca tgggaattcaa agttctgctt tttttttttt 540
tttgagacag ggtctcacta tgttgcccag gctagtctta aactcttggg cccgattgat 600
cctctggcct cagcctcctg agcaaagcct tttaaataat aatggtaaaa acaatcatta 660
actttttcaa tgtgcagtat tattatttat ttattttaatt 700

```

<210> 1658

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1658

```

cattacactc atggaattca aagttctgct tttttttttt ttttgagaca gggctctcact 60
atgttgccca ggctagtcct aaactcttgg gcccgattga tcctctggcc tcagcctcct 120
gagcaaagcc ttttaaataa taatggtaaa aacaatcatt aactttttca atgtgcagta 180
ttattattta tttatttaat tatttgaaat ggaatctcgc tctgtcaccg aggctagagt 240
gcagtggcgc tatctcagct cacggcaacc tctgcctcct gggttcaagt aattctcctg 300
cctcagcctc ccaagtagct gggattacag gcgccagcca ccaagcctag ctaatttttg 360
tatttttagta gaaacagggg ttcaccatat tggccaggct ggtctcgaac tgctgacttc 420
aaccaatcca cccacctcag cctcccaaag tgctgggggt acagacctga cccatcatgc 480
ctcgcgcgag tattattttt aatacacttt ttattttaag tagttttaga tttatagaga 540
agtttcaaga ctggttagaga gcattccagt gtgccctgca cccagtttcc cattgttaac 600
attactatgg tacaattgtc acaactaagg aactaatatt ggtacattac taaactccag 660
gctttttcca attcccttag ttgtgcccgt tgtccttatt 700

```

<210> 1659

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1659

```

taatacactt tttattttta gtagtttttag atttatagag aagtttcaag actgttagag 60
agcattccag tgtgccctgc acccagtttc ccattgttaa cattactatg gtacaattgt 120
cacaactaag gaactaatat tggtagatta ctaaactcca ggctttttcc aattccctta 180
gttgtgcccg ttgtccttat tctgttctct agtgtcatcc atgataccac attgtatgta 240
gtcatcacgt ctcttagagg cctctctggc tgtgtcagtt tctcagactg tgcttgtttt 300

```

```

tgatgacctt aacagtttta aggagtactg gtcaggcatt ttgtctttcc atttgggtat 360
gtgtagtggt tgtgtcatgg ttaggcagag gttactgggt ttggggagga agatgacagg 420
gataaagttc ctttcttatc acatcaaata aaaggtagat gctgttaaca tgatgtttca 480
ctgccaccat tgactgggat cacctagctg aagtagtggt tgatcagggt tctccactgt 540
gaagttattc ctcttattct cccctttcca tacagttctc ttttttaaaa agtcactctg 600
tatatcccac tcttaatgaa aggggggtgt gttccatctc cttgaggggt tagtagctac 660
atacattatt ttgaattcct gggcacagga gattaaaatc 700

```

<210> 1660

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1660

```

tcacctagct gaagtagtgt ttgatcagggt ttctccactg tgaagttatt cctcttattc 60
tccccctttc atacagttct cttttttaaa aagtcactct gtatatccca ctcttaataga 120
aaggggggtg tgttccatct ccttgagggt gtagtagcta catacattat tttgaattct 180
tgggcacagg agattaaaat cattaacttt tatttggagt tttgcattaa taaagctctt 240
tctttttttt gagatggagt ctgctctgtg tgcccagggt ggcggtgcagt ggcggtgatc 300
cagctcactg caacatccac ctcccagggt cacgccattc tctgacctca gcctcctgag 360
tagctgggac tacagggtgcc ggccaccatg cccagctaat ttttttgtat ttttagtgga 420
gatgggggtt cactgtgtta gccaggatgg tctcgatctc ctgacctcgt gatctgcccg 480
cctcagcctc ccaaagtgtc gagattacag gtgtgagcca ccatgcctgg ccaataaagc 540
tctttcaaat acattatttt acaggtccaa ctccgagaca gtttacagtc aggttggggg 600
gatcacactt atagaggaaa agttaatgac acgaaaactt tataagaaat ttaattttgt 660
acacccatgt tcatagcagc attattcaca atagccaaag 700

```

<210> 1661

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1661

```

tgagattaca ggtgtgagcc accatgcctg gccataaag ctctttcaaa tacattattt 60
tacaggtcca actccgagac agtttacagt caggttgggg agatcacact tatagaggaa 120
aagttaatga cacgaaaact ttataagaaa ttttaattttg tacacccatg ttcatagcag 180
cattattcac aatagccaaa ggatggaagc aacattgggtg tccatcgaca gaccatggat 240
aaacaaaaca tggatatagac atccaatgaa atattattca gccttaaaaa ggaagaaaat 300
tgacacatgc tacaacatgg atgaatcttg agaatagaca ttatgctaaa tgatataagc 360
cagtcacaaa aagccaagta ctgtatatca ggtacctaaa gtcacaaat tcataaagac 420
agaaagtaga agcgtgggtg caaggtgctg ggagaacggg ggcggggggt gggagctgtt 480
gtttaatggg tacagagttt cagttttgca agatgaaaag agtcctggag atttgtcaca 540
caacattatg aatgtactta aggctactga gctgtacact taaaaaaatg gttaagatag 600
taaattttat gtgtattttg ccacaattaa acatttctaa aagaaatata attttgaata 660
agaagtattt tttataacta gccttccaat aagaaccac 700

```

<210> 1662

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1662

```

tcagttttgc aagatgaaaa gagtcctgga gatttgtcac acaacattat gaatgtactt 60
aaggctactg agctgtacac ttaaaaaaat ggtaagata gtaaatttta tgtgtatttt 120
gccacaatta aacattttcta aaagaaatac aattttgaat aagaagtatt ttttataact 180
agccttccaa taagaaccca cagttttgct gtaaaacaga ggctgcaaaa tggtagatta 240
tacagttgcc aacatttgaa aaatccagag attatatata ataagcagga tttcagcctt 300
ccttttttgt tgttgttgtt gttgttgtgc tttttgtttt tttgtttgtt tgtttgtttt 360
gagacagtct cactctcttg cgcaggctgg agtgcagtgg tgcaacctca gctcactgca 420

```



```

acctccgcct cctgagttca agcaattctc ctgcctcagc ctccccgagta actgggatta 480
caggcacaca ccaccacgcc tggctaattt ttataaaggc ttctttgaaa aacagaatga 540
tcgggtaatg tgagcccagg tgtgtcacct ggcaaccatc agctggagct gagcagcacc 600
tgccaccttt agacagatca tgcattgctat agtttcatgt gacccccacc agctttgatg 660
tattacaccc tgcccatttc actcactggg cttgaactcc              700

```

```

<210> 1663
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1663
ctgggctaatt tttataaagg cttctttgaa aaacagaatg atcgggtaat gtgagcccag 60
gtgtgtcacc tggcaaccat cagctggagc tgagcagcac ctgccacctt tagacagatc 120
atgcatgcta tagtttcatg tgacccccac cagctttgat gtattacacc ctgcccattt 180
cactcactgg tcttgaactc ctgggctcaa gggatccact gcctgggctt accaaagtgc 240
tgggattaca ggcgtgagcc actgtgttta gcccaatttt ttattttttc tagagatgga 300
gtctcactat gttgcctggg ctggtctcaa actcctgggc tcaagcaatc cttctgcttc 360
agcctcccaa agtgctggga ttacaagcat gagccacctt gcccagcctc ctatgataga 420
atttaagcac tcagaacttt gtgtatttaa ggtactaaaa taacaagtta tttggcaatt 480
cccttgaaac tttcacctaa gccctaactt cctcagtgtg acataaagggt gtcaggggga 540
atcagagaga acgctctcat attctctggg aagagaaagc tcctgccaga actcagcttc 600
ttttctgaga ataccatttt aagagcactt tgaccaagcc tattgtgatt cctactcccg 660
aaaatctcac tcccgataga ttttctgaag tgagccaaac              700

```

```

<210> 1664
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1664
agccctaact tcctcagtgt aacataaagg tgtcaggggg aatcagagag aacgctctca 60
tattctctgg gaagagaaaag ctctgccagc aactcagctt cttttctgag aataccattt 120
taagagcact ttgaccaagc ctattgtgat tcctactccc gaaaatctca ctcccgatag 180
attttctgaa gtgagccaaa cttctgcagt ctcaaggaaa catttctcaa ggaaaacatt 240
tctcaagtgc gcaaatacaga cacatctaac caagagtcca aaacttcagc acaaacaaaa 300
ccaaacgtgg tacaagaagg cgcgcactga aatccaagac tgtctttatc tttccagtgc 360
agagctggga ttgagtatgt atgaaagggtg tgtctacctc ccagctgcct ctacttctcc 420
tacacaactg cacctagctt tggaaaactg ttctgggcaa cagtttgtgt ttggtaccat 480
ctgttcttga cgctcaagac aggcctgaag tcaggcttct aggctgcaac atagagccac 540
tctgggatgc tcaactgaagc actctattaa aaacaatgag ccacatacac ctccatcata 600
tgtgttcagg ccagggaataa aggaagtgtg tgatctagga gggggcctca tttgtacctt 660
tctgggatta caggtctgag cctaaggaac aaaggctgat              700

```

```

<210> 1665
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1665
caggcctgaa gtcaggcttc taggctgcaa catagagcca ctctgggatg ctactgaag 60
cactctatta aaaacaatga gccacatata cctccatcat atgtgttcag gccagggaaa 120
aaggaagtgt gtgatctagg agggggcctc atttgtacct ttctgggatt acaggtctga 180
gcctaaggaa caaaggctga ttcccctaatt ttcattggccc gcccaagggtg tgaaaggaca 240

```

```

cctccaccct tatgggacat aaaggagagg acacatccat gtattatgta tctgtgacag 300
atattttattg gttgccttcc tagaatctgt gtccccctta ctactgggac cccacatttc 360
taagctatgc agttgaggta ggattagggg cacctctagc tccagggaga gccaatcagt 420
atatactaca ccctggtcac agttcaagga tgaacatgtg acccttgtca gaaagagact 480
gaatttgaaa gcttttgatt aaacaatcag aaaagcacag cttgcttttt cctgctgctc 540
atgaacagaa tacatanaga tccaggagtc tggacatcat cttgagacct caatgggaaa 600
ggtgcccaag gatggagtc aggaagagtc actgaagcca tcaaaatgta aaagagcctc 660
cattcctgga ctggttggtt ctatgagcca ataccttccc 700

```

<210> 1666

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1666

```

taaacaatca gaaaagcaca gcttgctttt tctgctgct catgaacaga atacatanag 60
atccaggagt ctggacatca tcttgagacc tcaatgggaa aggtgcccaa ggatggagtc 120
aaggaagagt cactgaagcc atcaaaatgt aaaagagcct ccattcctgg actgtttggt 180
tctatgagcc aataccttcc ctctttatct tcaacaactt taggttaggt ttttagtcac 240
tggcaacaga aaggatccta atcaagaccc cagtgaacag aactcgaccc tgccaaggct 300
tggcagtttc catttcaatc actgtcttcc caccagtatt ttcaatttct ttttaagacag 360
attaatctag ccacagtcac agtagaacat agccgatctg aaaaaaacat tcccaatatt 420
tatgtatttt agcataaaat tctgtttagt ggtctacctt atactttggt ttgcacacac 480
cttttaagag gaagttaatt ttctgatttt aagaaatgca aatgtggggc aatgatgtat 540
taacccaaag attcttcgta atagaaaatg tttttaaagg ggggaaacag ggatttttat 600
tattaaaaga taaaagtaaa tttatttttt aagatataag gcattggaaa catttagttt 660
cacgatatgc cattattagg cattctctat ctgattgtta 700

```

<210> 1667

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1667

```

tttctgattt taagaaatgc aaatgtgggg caatgatgta ttaacccaaa gattcttcgt 60
aatagaaaat gtttttaaa gggggaaaca gggattttta ttattaaaag ataaaagtaa 120
atattttttt taagatataa ggcattggaa acatttagtt tcacgatatg ccattattag 180
gcattctcta tctgattggt agaaattatt catttcctca aagacagaca ataaattgac 240
tggggacgca gtcttgact atgcactttc tttgccaaag gcaaacgcag aacgtttcag 300
agccatgagg atgcttctgc atttgagttt gctagctctt ggagctgcct acgtgtatgc 360
catccccaca gaaattccca caagtgcatt ggtgaaagag accttggcac tgctttctac 420
tcatcgaact ctgctgatag ccaatgaggt aattttcttt atgattccta cagtctgtaa 480
agtgcataag taatcatttg tgatggttcc ttactatat atagagatct gttataaata 540
ataagattct gagcacatta gtacatgggt gataactaca tcaccagcaa acattctggt 600
aaaagttatg aatgctgggt tgctgtaaaa atgattgtat ttcctttcct ctccagactc 660
tgaggattcc tgttcctgta cataaaaatg taagttaaat 700

```

<210> 1668

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1668

```

gtgatgggtc ctttactata tatagagatc tgttataaat aataagattc tgagcacatt 60

```

```

agtacatggg tgataactac atcaccagca aacattctgt taaaagttat gaatgctggt 120
gtgctgtgtaa aatgattgta ttccctttcc tctccagact ctgaggattc ctgttcctgt 180
acataaaaaat gtaagttaaa ttatgattca gtaaaatgat ggcatgaata agtaaatttc 240
ctgttttaag ctgtaaatca ttagttatca ttggaactat ttaattttct atattttggt 300
ttcatatggg tggctgtgaa tgtctgtact tataaatatg aggaatgact ttttatcaag 360
tagaatcctt taaacaagtg gattaggctc tttggtgatg ttgttagttt gcctcccaaa 420
gagcatcgtg tcagggattc tttccagaag gattccacac tgagtgagag gtgctgtgta 480
gtctccgtgc agttctgact ctttctcact ctaacgtgtt tctgaaagta ttagcaactc 540
agaattatat ttttagaacc atgatcagta gacattaaaa tatataacaa atgccctata 600
ttaataattt ctgcatactt aaataattat gactatatga tgggtgttga tgcatttgaa 660
tatgtcctgg tcatattaaa atgtaaaata tatagtttta 700

```

```

<210> 1669
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1669
tctttctcac tctaactgtt ttctgaaagt attagcaact cagaattata tttttagaac 60
catgatcagt agacattaaa atatataaca aatgccctat attaataatt tctgcatact 120
taaataatta tgactatatg atgggtgttg atgcatttga atatgtcctg gtcatattaa 180
aatgtaaaat atatagtttt attagtctaa atagaataaa actaccagct agaactgtag 240
aaacacattg atatgagttt aatgtataat gcattacact tccaaaacat ttttttccag 300
ttacataatt aagttatatc ctttataaaa ctctcagta atcatataag ctccatctac 360
tttttgaaaa ttttatctta atatgtggtg gtttgttgcc tagaaaacaa acaaaaaact 420
ctttggagaa gggaactcat gtaaatacca caaaacaaag cctaactttg tggaccaaaa 480
ttgttttaatt aattattttt taattgatga attaaaaagt atatataatt atttgtgtaca 540
atatgatgtt ttgaagtatg tatacattgc agaattggaca atggaccaa tttttatacc 600
ttgtcttgat tatttgcatt ttaaaaaatt tctcatttta gcaccaactg tgcactgaag 660
aaatctttca gggaataggc aactgggaga gtcaaactgt 700

```

```

<210> 1670
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1670
ttaattgatg aattaaaaag tatatatatt tatttgtgtac aatatgatgt tttgaagtat 60
gtatacattg cagaatggac aatggaccaa atttttatata cttgtcttga ttatttgcac 120
tttaaaaaatt ttctcattt agcaccaact gtgcactgaa gaaatctttc aggggaatagg 180
cacactggag agtcaaaact tgcaaggggg tactgtggaa agactattna aaaacttgct 240
cttaataaag aaatacattg acggccaaaa agtaagttac acacattcaa tggagactat 300
atttgtctgg ctgtgcctat ttctatggaa ttgacagttt cctgtaatac ctattgtcat 360
ttttcttttt tcacagaaaa agtgtggaga agaaagacgg agagtaaacc aattcctaga 420
ctacctgcaa gagtttcttg gtgtaatgaa caccgagtggt ataatagaaa gttgagacta 480
aactggtttg ttgcagccaa agatttttga ggagaaggac attttactgc agtgagaatg 540
agggccaaga aagagtcagg ccttaatttt cantataatt taacttcaga gggaaagtaa 600
atatttcagg catactgaca ctttgccaga aagcataaaa ttcttaaaat atatttcaga 660
tatcagaatc attgaagtat tttcctccag gcaaaattga 700

```

```

<210> 1671
<211> 700
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1671

```
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gccttaattt tcantataat ttaacttcag agggaaagta aatatttcag gcatactgac 120
actttgccag aaagcataaa attcttaaaa tatatttcag atatcagaat cattgaagta 180
ttttcctcca ggcaaaattg atatactttt ttcttattta acttaacatt ctgtaaaatg 240
tctgttaact taatagtatt tatgaaatgg ttaagaatgt ggtaaattag tatttattta 300
atgttatgtt gtgttctaataaaaacaaaaa tagacaactg ttcaatttgc tgctggcctc 360
tgtcttagca attgaagtta gcacagtcca ttgagtacat gcccagtttg gaggaagggg 420
ctgagcacat gtggctgagc atccccattt ctctggagaa gtctcaagggt tgcaaggcac 480
accagaggtg gaagtgatct agcaggactt agtggggatg tggggagcag ggacacaggc 540
aggaggtgaa cctgggttttc tctctacagt atatccagaa cctgggatgg tgcagggtaa 600
atggtaggga ataaatgaat gaatgtgctt tccaagactg attgtagaac taaaatgagt 660
tgtaaggcgt cccctggaag aagggcagtg tgggaacctg 700
```

<210> 1672
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1672

```
tagcaggact tagtgggggat gtggggagca gggacacagg caggaggtga acctgggtttt 60
ctctctacag tatatccaga acctgggatg gtgcagggta aatggtaggg aataaatgaa 120
tgaatgtgct ttccaagact gattgtagaa ctaaaatgag ttgtaaggcg tccctgggaa 180
gaagggcagt gtgggaacct gtaactaggt tcctgccag cctgtgagaa gaatttggca 240
gatcaatctc attgccagta tagagaggaa gccagaaacc ctctctgcca aggcctgcag 300
gggttcttac cccacctgac cctgcaccat aacaaaagga acagagagac actggtaggg 360
cagtcccat agaaagactg agttccgtat tcccgggggc agggcagcac caggccgcac 420
aacactccat tctgcctgct tatggctatc agtagcatca ctagagattc ttctgtttga 480
gaaaacttct caaggatcca gaaaatatgc tctttaaaat attttaaaac tgatatagac 540
ccaaaggaga gaccagtaaa caatattcag ctatattatc cattctctct ttctttcatt 600
caacaaatct gtattgatca caggctctct gctgggtgtg ggatgcagct gtgggcctgt 660
gctggagggtc cttagaggcc agtactccta tcctgggctt 700
```

<210> 1673
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1673

```
agaaaatatg ctcttttaaaa tatttttaaaa ctgatataga cccaaaggag agaccagta 60
acaatattca gctatattat ccattctctc tttctttcat tcaacaaatc tgtattgatc 120
acaggctctc tgctgggtgt gggatgcagc tgtgggcctg tgctggaggt ccttagaggc 180
cagtactcct atcctgggct ttatctgcat ggattgctgc agtgttgggc tccactgctg 240
tgtgaagcaa ttgctcctgc tctttctggg catgggagaa gggtcagagc agtcggacac 300
agattcccag gcaggagaat ggaactcctt ccgaggaaga agacgtgttt tccttccagc 360
acacacccag gcatggtggt caggaccgtg gaccaggtcc ccaacttggt catgcaccaa 420
gccccaggat caggagcaga gctagtgagg gagcaagatg gatgaggaca gcacgggtgt 480
gaccactcta gacagacagg agacaggaaa caggaaactc aacttgcaaa aagactgaat 540
ctcaacttga ttcaattagg cagatactga gttccagtat actccaggac tattctaggg 600
gctaggattc aacagtgaat aaaacagaca aaatcctttc ccttgtacac ttatatcctc 660
tcaaaaaagc tcctttcccc tctttcttat cagggtctaa 700
```

<210> 1674
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1674
gagacaggaa acaggaaact caacttgcaa aaagactgaa tctcaacttg attcaattag 60
gcagatactg agttccagta tactccagga ctattctagg ggctaggatt caacagtga 120
taaaacagac aaaatccttt ccttgtaca cttatatcct ctcaaaaaag ctcctttccc 180
ctctttctta tcagggtcta atatagttaa taaggactta agactggaat atcacatcta 240
aatccccaat aatgagccct caccaatctg ccagggtccca gagaagctaa aaacaatcag 300
ggctggttgc aactaactga aataaaactt gattcgaact catgtcaagc ctgttgacaa 360
cacacacaca tgtccacgtg tcaactgctgt gcatagaaac ctctgactca ctaccatctg 420
aagtccaggc tccttcacag gtcattcaag gtcgacctct gccccctctg acccctgaca 480
tacagaaata caggcatcat ccattgtaaca accttggcaa gaaaacatta accagggtgcc 540
tcattcccat tattttaagt gcgaaaaatt ttaatgcatt atgtctcaac ccaaaatctt 600
caaccaactt cttaaaacat aaaacatagt aaaatgcctg tatataagga aaaaacacat 660
tagggtgtaa aaatttaaac aaaatatttt gtattttatt 700

<210> 1675
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1675
tccatgtaac aaccttggca agaaaacatt aaccagggtgc ctcatcccca ttattttaag 60
tgcgaaaaat tttaatgcat tatgtctcaa cccaaaatct tcaaccaact tcttaaaaca 120
taaaacatag taaaatgcct gtatataagg aaaaaacaca ttagggtgta aaaatttaaa 180
caaaatattt tgtatttatt tatttaattg tagtaaaata aggatataag atatttataa 240
cagtacttcc tgatcactca gcagttaata taatggttgc tttgtctgta taacatgctg 300
cacgtcccct tagttaacat tcagagcctt tccgattgtc ttctgtgaac gctgatttgc 360
tactaatcat atgtggaata aacctaaaga ctttgtccat tgactcccct catcacttgg 420
ttaagaatt tcttatgttt aggggacata aatattttta caatataaat attggtggga 480
aagcattgta ttgagagaca cgttctatga agaagaactg tatgtggaaa acattttattg 540
tgagatggt caggccaggc atggtggcct atgcctgtaa tcccagcact ttgggaagct 600
gaagcaggag gatcacttga gtccaggagt tcaagactag cctgggcaac atagcaagat 660
gtctctacaa aaagaaagaa aagtagccag gcgtgggtgt 700

<210> 1676
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1676
acgttctatg aagaagaact gtatgtggaa aacattttatt gtggagatgt tcaggccagg 60
catggtggct tatgacctga atcccagcac tttgggaagc tgaagcagga ggatcacttg 120
agtccaggag ttcaagacta gcctgggcaa catagcaaga tgtctctaca aaaagaaaga 180
aaagtagcca ggcgtggttg tgcacatctg tagttccaac tactcagggtg gctgagggtg 240
gaggatcacc tgagcccagg aggtgaggct gcaatgagct ctgattgtgc cactttgggc 300
aacagtatga ggctgtttta aaaaaaaaaa aaaaacaaaa aaacaaagag atgatctgta 360
aagaatgcta gctcttattc ttcacagaat atccatgaat tttcatacct ctgtgccttg 420
gtccacacta taccctctgt ctcaagtatc ttttctttc ccaccaaca aacttgtaat 480
tgccctttag atgttttcat tcaccatata ctccttcttt tttttttttt agagacaggg 540
tcttgctctg tcaccaggc tggaatgcag tggcgtgatc attgctcact gcagccctga 600
actcctgggc tcaagtgatt cccctgtttc agcctcccca gtagctgggg ctacaggcac 660
ttactacat gcctagttaa tatcttttaa aattattttg 700

<210> 1677
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1677

```

ttcaccatat cctccttctt tttttttttt tagagacagg gtcttgctct gtcacccagg 60
ctggaatgca gtggcgtgat cattgctcac tgcagccctg aactcctggg ctcaagtgat 120
tcccctgttt cagcctcccc agtagctggg gctacaggca cttactacca tgcctagtta 180
atatctttta aaattatttt gtagggatgg ggtttcacta tgtgacctgg gttggtctta 240
aacttctggc ctcaagtgat cctctcactc tggcctctca aagtgctggg attacaagta 300
tgagccacca cactgcccctc tttttatttt tatttattta tttatttatt catttattat 360
ttttttcgag atggagtctc actttgtcac ccagcctgga gtgcagtggc atgatctcgg 420
ctcactataa cctccacctc ctgggttcca gtgattctcc tgcctcagcc tcccgagtaa 480
ctgggactac aggtgcatgc caccacacc agctaatttt tatattttta gtagagacag 540
tgttttacca tgttggtcag gctgggtctt agctcttcac ctcaagcaat ccacctgcct 600
cagccttcca aagtgtctgag attataggtg tgagccaccg tgcccgggtct ttttatttat 660
ttattcattc atttatttat ttattttttg agacagagtg 700

```

<210> 1678

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1678

```

ccaccacacc cagctaattt ttatattttt agtagagaca gtgtttttacc atgttggtca 60
ggctgggtctt gagctcttca cctcaagcaa tccacctgcc tcagccttcc aaagtgtgta 120
gattataggt gtgagccacc gtgcccggtc tttttattta tttattcatt catttattta 180
tttatttttt gagacagagt gtcactctgt caccatgtct ggagtgcagt ggcattggtct 240
cagctcactg caagctccgc ctcccagggt catgccattc tcctgcttca gcctccctag 300
cagctgggac tacagggtgcc caccaccaca cctgggtaat ttttttgtat ttttagtaga 360
gatgggggttt caccatgtta gccaggatgg tctcgagctc ctgacctcat gatctgcca 420
tctcagcctc ccaaagtgtc gggattacag gcatgagcca ccgtgcctgg actgttttta 480
tttttttaag agatagagtc ttgtatgtt gtccaggctg gacgcaaact cttgggttca 540
agtgatcctc ccatctcacc ctctgagta attggaacta taggcaagtg ccaccatgtc 600
cagcagtttt tttaatctca atgtacctgc ctgtggccag ctgacctact gctttcatgg 660
tctcatatca ttgtgtacat ttaccatcag gatcacgaca 700

```

<210> 1679

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1679

```

cttgctatgt tgtccaggct ggacgcaaac tcttgggttc aagtgatcct cccatctcac 60
cctcctgagt aattggaact ataggcaagt gccaccatgt ccagcagttt ttttaatctc 120
aatgtacctg cctgtggcca gctgacctac tgctttcatg gtctcatatc attgtgtaca 180
tttaccatca ggatcacgac atagagagag taaaatgcac aggcctataa atgtaacgag 240
ctgttacaaa agtttcaaag ccacaggaag gttctaccag gtgcttagaa tgtttattcc 300
atttatacaa aaaagaacta gaaaaacagt tccagagtat aaaagactca agcctaggag 360
tctccatgtt tcaattgtcc gatggaagtc ccattcttac caaagaatca tggcagattt 420
aggttttctt ggtgtcagta ttagctcaga cctcatattt aacaatgttt gaaaagtttg 480
ggatctcctc atactagtgt gtacttatcc tgatgaatgg ctccagatcg ctttggtaaa 540
ggattaaaga aagtttactg catgtatatg tagtgggatt atagagtcct cctgttcaat 600
caatggacac tgggtttatg aatgccttag atgtgggaac tggaggaaga gcttgcattt 660
ccactgtggg ggctgatgtc agccctttac cacttgatta 700

```

<210> 1680

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1680

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tgtacttatc ctgatgaatg gctccagatc gctttggtta aggattaaag aaagtttact 60

```

```

gcatgtatat gtagtgggat tatagagtcc tccgtgttcaa tcaatggaca ctgggtttat 120
gaatgcctta gatgtgggaa ctggaggaag agcttgctatt tccactgtgg tggctgatgt 180
cagcccttta ccacttgatt acatatacat gctaattgat tatcaacgtt tcttgtctct 240
aggaacactt taattttctta gccaccacaa tagatccctg aagggttaaga gtcaaggcac 300
cctggttggc accatggcct tgctgtttgt ggtggttaatt atgtccccct tgccctctaat 360
gtttaagtgc ttccaacctg agctctgcca ttctagggat ctcatgttgc ctattgatata 420
tagggagtcc atgtcattgg cagcatcttt caccctcaac ccagcttaca ggggacatcc 480
accaccaatg tttgcaatga tgccctgcttc tcttcactag tgtatctgtt gctgtgttag 540
taaaaggagt atattctgtg tcctccagga acatactcag atagtaggtt ctcaggccag 600
atacaaaaaa tccatttttag tattcctgct tctctgagct atctgctctt ttcttcaata 660
ctatgggagg aagttcagggt gtctccactt catattctgt 700

```

```

<210> 1681
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1681
atgcctgctt ctcttccacta gtgtatctgt tgctgtgtta gtaaaaggag tatattctgt 60
gtcctccagg aacatactca gatagtaggt tctcaggcca gatacaaaaa atccatttta 120
gtattcctgc ttctctgagc tatctgctct tttcttcaat actatgggag gaagttcagg 180
tgtctccact tcatattctg tacaccatca tcaggatcag gcttcaagga gccactccag 240
caaactatta ggactaactc cagttgttct tgcgaaaact taattctgag tcgtaagtat 300
accacaccca ataaatccaa tcccattcaa ctctatatct ttctggacaa acagctgcag 360
gatgcaactg attctggatt ctgacagtac atattagtaa actcctgcac accttacct 420
tccctgccaa gactgtatgt cagctgtgaa gctattgtct ctcagcttca agcccactat 480
actatactct gctgcagctg ggattctgca aaccaatttc tcctttgcca gctgcaacct 540
tgttaggata tgtcaatgga ggggtgtagac taggaggctg gaggaagaaa aggggacttt 600
tttcttctct ttgcttccta ttctttgttt ttgtttcctg ttctgtcct cttatattcc 660
tattcctaata cctaatacta acatgaacct tggcagcagt 700

```

```

<210> 1682
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1682
gggattctgc aaaccaattt ctcccttgcc agctgcaacc ctgttaggat ctgtcaatgg 60
agggtgtaga ctaggaggct ggaggaagaa aaggggactt tttcttctct gttgcttct 120
attctttgtt tttgtttcct gttcctgtcc tcttatattc ctattcctaa tccaatcct 180
aacatgaacc ctggcagcag tagttgactc tagtagcaac atttgattat agtttgagc 240
ttttccacca ttcatagaac cgaccttagc acacctcatt tccctctgag accccagcaa 300
cagccaatca gcatccccctc agaggctctg atcccattcc caaaggacct ctttctgag 360
ctcaggaact gactgcatg cagagcagtg tcccctctac agatgtctga gtttcaggtc 420
cacaagcccc gtccctccaaa tttataagtt ttaataatth tcacctgttc cctttgcttc 480
ccagacatag aagtgtctagc tgcttccac aattgccacc tccttgatac cttattgttc 540
cctttttgcc tgccctagttt tccaataacct ggctaacagt tctttatatt taattctgct 600
tattaaaata actggtatag tttgtgtctc ctgggtgggtg cctagttaac acaagatgtt 660
cttagatctg actttaatta ttggccttga ggcaataagg 700

```

```

<210> 1683
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1683
ctgcttccca caattgccac ctcccttgata ccttattgtt ccctttttgc ctgcctagtt 60
ttccaatacc tggctaacag ttctttatat ttaattctgc ttattaaaaa aactgggtata 120
gtttgtgtct cctggttggg gcctagttaa cacaagatgt tcttagatct gactttaatt 180

```

```

attggccttg aggcaataag ggggtgttgag ggaggggttg gggcagaaca aatgtcatct 240
tgtgaagtat atgtttcaag tgaaatagtt attctgtttc caggcaagga gaagttagtc 300
tactctggca agggggaaag gtctgcttct accagttaag gagggctcag agaatttgga 360
ggttcaagag ttttaggttt gtccacccaa atgtttctat cccagggtctc atgggtcccag 420
cctttcctca taagagccct gactttgaca cagaatgtgc aaaatccact cttctccttt 480
gaagctcttc aaaggctgca aataatcaga tcctgagcct aattttcaga tcgggttgcc 540
ctgcagttgc tggaaataag agtctcctct aaagttgcca tgggagttgt cgagcattcc 600
gagaatatgt taagttagaa ttagattgcc atgagcctat ctttttcttt tggttaaggtc 660
ttcagtgctg tcagaagagt cattgtactc tgcaatcttt 700

```

<210> 1684

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1684

```

aaataatcag atcctgagcc taattttcag atcggtttgc cctgcagttg ctggaaataa 60
gagtctcctc taaagttgcc atgggagttg tcgagcattc cgagaatatg ttaagttaga 120
attagattgc catgagccta tcattttctt ttggtaaggc cttcagtgct gtcagaagag 180
tcattgtact ctgcaatctt tataattacc attgttctca tataaccctg tcattttatc 240
tttcattgtc ttgctgtcca cctgcccctc atctaaatta accagagcta aaagcttaag 300
aaattgcaaa gccactgcct gccagaagtt attatcaacc tacttatatt cagcaatagg 360
ttcatattat tttaaaatag tgaataatcc aatgtcaatg ttccatttcc aagtgtttgt 420
tacctaaaac tacatctgat actaattgtc atagccaggt ctcttcagaa agcagagcct 480
gaagtcaggc tctgcttgcc ttctatgcct ggaaatataa ggtgctgtgt tgggtgttgg 540
gctgacaaag agacagatag gaggcagtgga gggcaatctg agaaggcaca caaatatgta 600
tccaatacaa acataaatat ccacaactga tgcaagaaga catagaaaaa tctaaacaga 660
tctagaacca ctaaagaaat taaaccagtc attttaaatac 700

```

<210> 1685

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1685

```

cttctatgcc tggaaattaa ggggtgctgtg ttggtgttgg tgctgacaaa gagacagata 60
ggaggcagtg agggcaatct gagaaggcac acaaatatgt atccaatata aacataaatt 120
tccacaactg atgcaagaag acatagaaaa atctaaacag atctagaacc actaaagaaa 180
ttaaaccagt catttaaaat ctttcttgaa agaatacacc aagtccagat agttttctag 240
gtgagtcctt cttaaagtgtc aggtcacata taattccaaa catatataaa ctcttataga 300
aaataaacia aatgagatat ttcccagctc attttgtgaa gctaatatgt agcatacgaa 360
agtcagagga ggaaaatata tgaaagaaaa attatgatcc catactcact catgaatgtg 420
gacataaaca ttgttatcaa agttttataa atccaaatcc agcatgtata aaaagacatt 480
acataacaac taatgtaatg tctttctttc aggaatataa aattaagtgt caggaatatg 540
aaatattcct ttatttcagg aatataaaat taaatgtcag aaaatctatt aatgtaattt 600
accacattaa tcacttttta aagagaagaa tcaggctggg cacagtggct cacgtctgta 660
atcccagcac tttgggaggc cgaggcaggt ggatcacctg 700

```

<210> 1686

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1686

```

gtctttcttt caggaatata aaattaagtg tcaggaatat gaaatattcc tttatttcag 60
gaatataaaa ttaaagtgtc gaaaatctat taatgtaatt taccacatta atcacttttt 120
aaagagaaga atcaggctgg gcacagtggc tcacgtctgt aatcccagca ctttgggagg 180
ccgaggcagg tggatcacct gaggtcagga gtttgagacc agcctggaca acatggtgaa 240
accctgtctc tactaaaatt ccataattag ctgggcattg tggcgggcac ctgtaatccc 300

```



```

agctactctg gaggctgagg cagaagaatc gcttgaacct gggaggcgga gggtgcagtg 360
agttgagatc gtgccattgc actccagcct gggtgacaag agcgaaactc agtctcaaaa 420
tacaaaacaa aaaagagaga gagagagaga gaagaatcac atgatgatat caatgcagaa 480
aaagcattac tgaattttta cattcattta ttataattac tttttaacaa agtcaaaaata 540
gaaaggaact tttttaacct gataaactta cagaaaatac tgtgctcaat ggtaatatgt 600
tcaaatacat tctttaaaaa aagaataatg caagaatacc tgcaggacca ctctgtgcac 660
tgcacaatcc caggaagcac catttacatc agagacatta 700

```

<210> 1687

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1687

```

acattcattt attataatta ctttttaaca aagtcaaaat agaaaggaac ttttttaacc 60
tgataaactt acagaaaata ctgtgctcaa tggtaatatg ttcaaatacat ctctttaaaa 120
aaagaataat gcaagaatac ctgcaggacc actctgtgca ctgcacaatc ccaggaagca 180
ccatttacat cagagacatt atatatattga gtatgtatga caatttcata ccagatagaa 240
gtatcttttt ccaatttgca cagaggcttt atatgatgta ctagtgtccc tggagactaa 300
ctttgtttcc attaaaaact gaccaaaggt cccagccttt gcaaaaagat cattcatatt 360
aatagaacta ataaatatga ggattataaa ggaagaaaca aaaatcatat atatatattgc 420
agatgataca ctatgataaa aatggaactc aaaaacacgt agagtcatgc aaatgattat 480
aaggaataag agagttcagc aagttgctgg ataaatatgc aaaatcaatt acaaattata 540
cattaccaa aaacagataa tgtaatttta aagaagacat cattacaaat aagtataagc 600
attattataa tacttataag actataaagt gccaaagggt atgggggcac gtgcttgtaa 660
tctcaactac ttgggaaagg ctaaggcagg aggatcattt 700

```

<210> 1688

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1688

```

caagttgctg gataaatatg caaaatcaat tacaaattat acattaccaa aaaacagata 60
atgtaatttt aaagaagaca tcattacaaa taagtataag cattattata atacttataa 120
gactataaag tgccaaaggg tatgggggca cgtgcttgta atctcaacta cttgggaaag 180
gctaaggcag gaggatcatt tgaggccaga agtttgaggc tgcaactccag cctaggcaac 240
tgagtaagac cccatctctc tctctctaaa agaaaaaaa aagaaatgta aagtgccaaa 300
gaataaatct aacaaaacat ggaaaacatt taaaaacttt atgaaagata gtaacaacag 360
caaatagcaga gacctagtat gtccacggat caagacttga cactgtaatt tgcaactga 420
tttatacatt taatgtgact cctatcaaaa tccaagcat ttttttcatg atcatactat 480
gctgattcta aaatgtacac gggaaaatga gagtccaaga atagccaata caattctaaa 540
gaaggagctg aaaatgggag aacgtggccg ggtgtggtgg ctcacacctg taatcctagc 600
actttgggag gccaaagtag gcagattgtc tgagctcagg agttcgagac cacaatgcgc 660
aatattgcaa aaccccatct ctagtataaa tccaaaaaaa 700

```

<210> 1689

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1689

```

cgggaaaatg agagtccaag aatagccaat acaattctaa agaaggagct gaaaatggga 60
gaacgtggcc ggggtgtggtg gctcacacct gtaatcctag cactttggga ggccaaggta 120
ggcagattgt ctgagctcag gagttcgaga ccacaatgcg caatattgca aaaccccatc 180
tctagtaaaa atccaaaaaa attagctggg cgtggtggca tacaccttta gtcccagcta 240
cttgggaggg tgaggcatga gaatcgcttg agccggggag gcagagggtg cagtgcagctg 300
aggttgcacc actgcactcc agcctgggca atagagttag accctgtctc aaaagcaaac 360
aaacaaacaa aacaaaacaa aacaaaacaa aacccaaatg ggagaacttg tcttgctaga 420

```

tatcaagcct	taataattaa	gtgtggtttt	gacaaggggg	tataacagta	gttcccaaca	480
gaggggtgatt	ccccaaaccc	aaggggaacat	ttggcaattt	gggggttgtca	gaattggagg	540
ggaaggagg	gatgctactg	gcatctactg	ggtagaggtc	acggatgctg	ctaaacatcc	600
tacagtacac	acaacagccc	tccacagcag	aattctccca	tccaaaatgt	cagtagtggc	660
agggttgaga	aatcctaggg	gtagacagat	agaccggtga			700

<210> 1690

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1690

caagggaaca	tttggcaatt	tgggggtgtc	agaattggag	gggaaggagg	ggatgctact	60
ggcatctact	gggtagagg	cacggatgct	gctaaacatc	ctacagtaca	cacaacagcc	120
ctccacagca	gaattctccc	atccaaaatg	ttagtagtgg	cagggttgag	aaatcctagg	180
ggtagacaga	tagaccggtg	aaaaactaat	ttaaaaacag	aaaatatgac	ctgggagtgg	240
gcttatccag	caggaaacag	tagggacact	catattgagt	aacttaaggc	agttttattta	300
ataaagggac	cattataaaa	gaacagagt	tagggaaaac	aaagcccttg	gcgactggta	360
acaggaactg	caacaggaga	gggactat	actgaaactc	agagatacag	agcacacaga	420
gatacagagc	actacagcga	tacagagcac	tacatgcaga	cggccaattg	gcaagagctg	480
ggaccttaag	tcaagggaca	caaccagctt	gcagcaacct	tgcaaggaga	gagctaagg	540
catacatacc	ttgcttcacg	cacctcctac	cttttgatca	cctgtcaatg	ctcccatgg	600
caaaccat	gggaacctgt	gggcaaataa	gctattaatg	tagttcatac	tggtcagcct	660
cccaggacac	agaggctaaa	aggggggtgga	gagcagatct			700

<210> 1691

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1691

acaaccagct	tgcagcaacc	ttgcaaggag	agagctaagg	gcatacatat	cttgcttcac	60
gcacctccta	ccttttgatc	acctgtcaat	gctcccatgg	tcaaacccaa	tggaacctg	120
tgggcaata	agctattaat	gtagttcata	ctggtcagcc	tcccaggaca	cagaggctaa	180
aagggggtg	agagcagatc	tggagaggca	aataggagct	ttccagatgg	aatggaagga	240
tttcataaat	aaaaccccca	aagagcagag	caccaaggaa	aagactgata	cattcaatat	300
tcatcaaat	taccataagg	agagtgaata	gacaaaaccg	aagctaggac	aaatatttgt	360
ttcatatata	aatgactaag	gattagtttc	aagaatgtct	aacaaaatcc	tcttaatcag	420
taagaaaaag	ataaattacc	cactagaaaa	aaaaaaggta	aatgacatga	ataagtattt	480
cttagaacag	gaaacacaaa	tggccaataa	acatatataag	agatgttcaa	ccttattagt	540
agtcaggaaa	atccaaaatt	aaaccacagt	gagataacat	ttcacacca	ccagactggc	600
agaaattaaa	aagtcagaca	ttacaattct	tgcccaggat	gtaaagtaaa	aggaattctt	660
acacattgtc	cacaaaagag	taaaatggta	cttttgaaat			700

<210> 1692

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1692

atggccaata	aacatataaa	gagatgttca	accttattag	tagtcaggaa	aatccaaaat	60
taaaccacag	tgagataaca	tttcacaccc	accagactgg	cagaaattaa	aaagtcagac	120
attacaattc	ttgcccagga	tgtaaagtaa	aaggaattct	tacacattgt	ccacaaaaga	180
gtaaaatgg	acttttgaaa	tgtagtctct	agtaaaaaat	tgaacgtgca	cgtaccttat	240
gaccccgat	ttcaacctag	tgcattattct	agggaaattc	ttgcccata	acgtcaggag	300
agataaaca	ccacaatcat	agtagactgt	tttcttaaat	aaacttattt	taggaaaact	360
ttcagggtta	cagaaaaatg	gggaagatag	tacagaaagt	tcccacgtac	tccatatcca	420
attttcccta	ttcttaacat	ctttcttttt	tttttttttt	tttttttttag	acggagtgtc	480
cctctgtcac	tcaggctaga	gtgcggtggc	acaatctcag	ctcactgcaa	tctctgcctc	540

```

ccagggttcaa gcaattctct tgcctcaacc tagctgggat tacaggcatc cgccaccgtg 600
ccctgttaat ttttgtattt tcatTTTTTA gtagagatgg ggtttcacca tcttggccag 660
gctgggtctcg aactcctgat ctcatgatcc accacctcgg 700

```

```

<210> 1693
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1693
agtgcggtgg cacaatctca gctcactgca atctctgcct cccagggttca agcaattctc 60
ttgcctcaac ctagctggga ttacaggcat ccgccaccgt gccctgttaa tttttgtatt 120
ttcatttttt agtagagatg gggtttcacc atcttggcca ggctgggtctc gaactcctga 180
tctcatgatc caccacctcg gcctcccaa gttctgggat tacagggtgtg agccacagca 240
cccagtcctt aacatcttac attagtatgc tatacatgtc acattaatga atcaatatgg 300
atgcattatt gttaactaaa gtccatatct tattcagatt tcttttagttt tacttacttt 360
ttgcagcatg ttcttaacaa ctaaaacttt taaaaccccc aaaatgggccc aagagcagtg 420
gctcacgcct gtaattccag aactttggga ggccgagggtg ggcagatcac ctgagggtcag 480
gagttcgaga ccagcctggc caacatgggtg aaagcccgtc tctactaaaa atacaaaaaa 540
aaaaaaaaaa ttagcttaggc atggtggcac atgcctgtaa tcccagttac tggggagggt 600
gaggcaggag aatcacttga acacaggaag cagagggttg agtgagccga ggccggcacca 660
ttgcactcca gctggggcaa caagaacaaa actccatatt 700

```

```

<210> 1694
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1694
ccaacatggt gaaagcccggt ctctactaaa aatacaaaaa aaaaaaaaaa attagctagg 60
catggtggca catgcctgta atcccagtta ctcgggaggc tgaggcagga gaatcacttg 120
aacacaggaa gcagagggttg cagttagccg aggcggcacc attgcactcc agcctgggca 180
acaagaacaa aactccatat cataaaaaaa aaaaaaaaaa ctgcaaaatg tccatcagta 240
ataaaataga taaataaatt atggcttact catttagaag attatagtaa agtaaataca 300
gtaaataaat aaactacagt tataatgtatc aacatggatg agtctgaaaa cattttgttg 360
accagtaaaa gcaaatatta aataaatata tccaacatga ttccatttat aaagagggca 420
aaaataggaa aaatgaaatc atatataatt agaggatatt tatatatata ataaaacaag 480
aataacaaat aaatgattaa ccaaaaaaat aaggataatg gttccctttg gtggggaggg 540
acatggaagc tgttggaggg acaccttcat ggggagaggg aatgttccct tcagttgggt 600
ggtggacaca tgggtttttg ttatgtttta aactatacat agagattgta atttttttgt 660
atgtatgatg tttcataata ataattttta aggctctgat 700

```

```

<210> 1695
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1695
acaaaaaaaa taaggataat ggttcccttt ggtggggagg gacatggaag ctgttggagg 60
gacaccttca tggggagagg gaatgttccc tttagttggg tgggtggacac atgggttttt 120
gttatgtttt aaactataca tagagattgt aatttttttg tatgtatgat gtttcataat 180
aataatttta aaggctctga tccctgctct tttctttccc cttgaaagca ggttgtctaa 240
atagtcttca tctccaaca ttctggctta agggaaaagg tgacacttta gagttagagc 300
aacaggaac cccagccctc tgtgccccaa ccaagaaat gtgattatgt ctcttatcat 360
cttcttcaag cccaccaca catcatgatg cttcctgttt ctgagaagct gaaaaagggtg 420
ctgacataat gtaatgagta gaatcgaggc agtatacacg gatctacca gagccatgtg 480
tgtcacccga ggggcagggt ggactctcag ctgtgggttg gaacataggc caaatctctg 540
cctttagggt ggaaatgacc ccaaatttga agattcatgg agcagggtga ctcttgctgt 600
taagaatgag agactcaccg tcatcagccc caagagatgc cttctgcaac agcgaaaagc 660

```

cacctcttgg cagatccctt tacgtgggta cagctggact

700

<210> 1696
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1696
tggactctca gctgtggttg ggaacatagg ccaaattctt gccttttaggt gggaaatgac 60
cccaaatttg aagattcatg gagcaggggtg actcttgctg ttaagaatga gagactcacc 120
gtcatcagcc ccaagagatg ccttctgcaa cagcgaaaag ccacctcttg gcagatccct 180
ttacgtgggt acagctggac tgggcactgg gatccagctg gggcctggga aactgccaca 240
ctggcacccc ctattcctcc acagtcaccc ctcacttgct tgttcatttg gttgtttatt 300
cattcactca gcaaatactc acacagctgc aatgtgccag gcactgttct aagtattggt 360
ggcacagcag ggagcaggac atagccctgc tctagcagca tcatacacat ttaggagggt 420
cagacaacaa acaaataaaa caactataaa ttgtggtaag tgccttcagt gcaagtagta 480
gaagcaaaac aacccagtggt taagatgcta aagtcaggct acctggnttt aagttctgct 540
tctactgcta cctgccattg ggcaagttaa ttaatctttc taggagtcn ttttcctttc 600
tatagattgg aagtgatcat caaacctact gaataggatt gattgaagat ttattcctttc 660
caaaaatatt tattgagcac cactatgtgc caggcaccat 700

<210> 1697
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1697
ttaagatgct aaagtcaggc tacctggntt taagttctgc ttctactgct acctgccatt 60
gggcaagtta attaatcttt ctaggagtcn nttttccttt ctatagattg gaagtgatca 120
tcaaacctac tgaataggat tgattgaaga tttattcttt ccaaaaatat ttattgagca 180
ccactatgtg ccaggcacca tgccaggcac taaggattaa tagtgaagggt gacagacaag 240
gttctgcccct ccaggaacat acatgatagc agaggaagag tccactggaca agcaaaggcc 300
atgtcggatg tgataagggc tagggactaa cgtgatccag ggagattcag gaagtgccag 360
ggagagaggg ccactttata tgtctgacaa ggtgacattt gagagctaaa tgatgaaaag 420
gagccatcta tgtgaaagcc tgggggctgg cgatagttaa acagagggac agcaagtgtg 480
aaagtatatg agcaggaatg aagttggtgt gggtgaagaa cagcaggaag acagatggct 540
ggagcacatt agcagggagg taggagatga ggctagggag ggaagagagg gctcatgcag 600
actcatgcag gccagagaaa ggactttgca tttcattcta gtaatgggaa gtccctgagg 660
gtttaaagca gaggagggtc agatgactta cttttttttt 700

<210> 1698
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1698

```

gaagttggtg tggttgaaga acagcaggaa gacagatggc tggagcacat tagcagggag 60
gtaggagatg aggctagggg ggggaagagag ggctcatgca gactcatgca ggccagagaa 120
aggactttgc atttcattct agtaatggga agtccctgag ggtttaaagc agaggagggg 180
cagatgactt actttttttt ttgagacagg gtctcactct gtcattccagg ctggattgca 240
gtggcaccat cacagctcac tgcagcgtca acctcctggg ctnggtgat cctcccatct 300
cagtctcctg ggtagctggc actataggca tgtgccacca cgccaggcta atttttgtat 360
tttttgtaga gatgggattt ctccatgttt cctaggctgg tctcaaactt ctgggctcaa 420
gcaatctgcc tatgttggcc tcccaaagtg ctgggattac aggtgtgtgc cactgcaccc 480
ggcaacttac atttttaaaa gatctctagc ttttgtgtgg gcacagatta ggttgtaatg 540
ttcgaccaga gaaacaagtt aggatgctat tgctccatgg tgagtgcacat gggtatacag 600
gggtgaatgg gtaggggtgg ctggaggaga agacagaatc ctacagtgcg gggcattgta 660
gtgggcatct gatctctctc ttctccacc tctatgcagc 700

```

<210> 1699

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1699

```

agatctctag cttttgtgtg ggcacagatt aggttgtaat gttcgaccag agaaacaagt 60
taggatgcta ttgctccatg gtgagtgcac tgggtataca ggggtgaatgg tgcaggggtg 120
gctggaggag aagacagaat cctacagtgc agggcattgt agtgggcacg tgatctctct 180
cttctcccac ctctatgcag ctgcttctct ctccctcagaa tccagaccca aattttacct 240
tctgctggga aagccttctt tccctatttt ttgtttgcag gtggcggggg cncctggac 300
ctgggattcc caggttcttc ctctaactt gctgcctcgt ggccctagac cctcttgtg 360
taacacagac atcagtcagg ctctctcagg ctccaaagac ctggacgaca ggctcaagct 420
cctatttgct cagctgcaag tggaaagctt ttgccagggt gtttgcaagt tcccttgtgc 480
atgactgtgc atgactagca ctgactctct cctgatacag catggttaga tctgtgtgtg 540
gtcatcagg acattcaana agtaatgccc ctgttctgca cccacagaa ggcagtcctt 600
tccactgagt cccattcaca cagccaagct gaccatcacc cggatctgcc tgtggcagaa 660
gcaacttcaa agtgagcgtc agtgctccta ttcttgaagt 700

```

<210> 1700

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1700

```

actgactctc tcttgataga gcatgggttag atctgtgtgt ggctcatcag gacattcaan 60
aagtaatgcc cctgttctgc accccacaga aggcagtcct ttccactgag tccattcac 120
acagccaagc tgaccatcac ccgatctgc ctgtggcaga agcaacttca aagtgagcgc 180
tagtgcctct attcttgaag tctgtggtc acgctacagt gatagaactt cttcttcttc 240
accccttttc cattctgtct gcagctttgt gccatcttgc cagttcccc tctctcttca 300
cccaattgca gtttatttct aatacacaga gcaatttctg tagccctttt gtaacaattc 360
attgctcacc tatggaccca agatctcagc ttctacctc cctctagtgg ctgatgcagg 420
tatttccaaa aaaaaagtc tagagcagga tcttggtgg ccacacggct gtccagtgtc 480
gtcctgccc acaaggttct aagagggtta ggcttgacat atcagaaaag gaaaggaagc 540
ctgtgtgaca cagaagcctg ggttgaggga ggctacgctc tgtgtactgt ccccgggcag 600

```

```
aggcggtttt ctgggtcacc tgcattgtccc aacaccggcc tctggtggtc ggcagatggt 660
aatcctaaaa cccttctgtc cccacctcag aggtgaagta 700
```

```
<210> 1701
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1701
taagagggtta aggcttgaca tatcagaaaa ggaaaggaag cctgtgtgac acagaagcct 60
gggttgaggg aggctacgct ctgtgtactg tccccgggca gaggcggttt tctgggtcac 120
ctgcatgtcc caacaccggc ctctggtggt cggcagatgt taatcctaaa acccttctgt 180
ccccacctca gaggtgaagt acctgtgcac tagccttccc cgtctgggtc ccccaaggcc 240
cccacactgg gcgcacaggg tacagggagg agccaagccn tctgctccag ttctgccttc 300
tgcgcaggag ccctttgact tctgggagtc aaccccagct caccaacaa ggagataggg 360
caggtgggag acaccctaag ctcagaaggc ctacaggaga tggagagcac ccacctcca 420
cctctactcc ttctccagac cactccacac ctgcagctt cttgctcctc accctcgcac 480
ttggcccagt gggcaccaag aacaagncag ggtgactggc taagctgggg ccaaactcac 540
tgacagaatt ggaatttgtt caaaacacca cttttatgtc ctcacctttc aggctgcat 600
cagtggtgagc tctgcagaga aaggggcttg tcttactgaa ccctcagatc ccagcacgct 660
gctgtcctat ggaggcatcc atgcataatca gcagcagaat 700
```

```
<210> 1702
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1702
gaacaagnca ggggtgactgg ctaagctggg gccaaactca ctgacagaat tgggaattgtg 60
tcaaaacacc acttttatgt cctcaccttt caggcctgca tcagtgtgag ctctgcagag 120
aaaggggcct gtcttactga accctcagat cccagcacgc tgctgtccta tggaggcatc 180
catgcatatc agcagcagaa tgaatggatg gagggaggaa tgaatgtaat gaatgtgct 240
ccttctactgc cacctgcctt ctcaccctgc ccctcgaggg cagaatacta tggcttttct 300
tttcttcttc ttcttcttct tttttttttt tgatgaggtc ttgttctgtt ccaggctgg 360
agtgcagcag tgtgaacaga tgcatggctc acngcatcct ccacctcca gactcaagtg 420
atcctccttc ctcagcctcc caagcagctg ggaacaaaag tgtgtgccac tatacctggc 480
taatttttta gctttttag aaggggtctc ctatgttacc caggctgggt tcaaactcct 540
ggcttcaagc catcctccca ccttggcctt ccaaagtgtt gggattacag gcgagagcca 600
ctgtgcctgg cttgctatgg ctttttagag tttctcacc aattacctcc tctactcaat 660
ttctagctcc catttttggg ttctccatgg cttttgtccc 700
```

```
<210> 1703
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1703
gaaggggtctc actatgttac ccaggctggg ctcaaactcc tggcttcaag ccacctccc 60
accttggcct tccaaagtgt tgggattaca ggcgagagcc actgtgcctg gcttgcctatg 120
```

```

gcttttttaga gtttctcacc caattacctc ctctactcaa tttctagctc ccatttttgg 180
ttcctccatg gcctttgtcc cccaaatctg cccttggtgt cagagcactg gactaggagt 240
caggagtacc aggtttgtca tcagttagcc ctttgtgtct catggcccca tctgtaaact 300
ggaatggggt tttctcttga tctcaggatg taagtgggat ggaaaagtgc ccaatctcac 360
ttaagactgt ggtttcctga cccagagttt cagttctgtc ttttcttttt cagtatcagg 420
agtgttacat gcctgttata ctaaaccacac actcacactc ataaaggatg aaaactgagt 480
cctcccagaa gtattatctg tcagttgggt atctgttggt atgttacaga tgattccttc 540
actccttaca ccaaccctgg cagttgggta tgtggattac ccatgtgtat tagttcattc 600
tcacactgct ataaagacat acccaagact ggacaattta taaaggaaag aggcttaatt 660
gactcacagt tacacatggc tggggaggcc tcaagaaaca 700

```

<210> 1704

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1704

```

gtcagttggg tatctgttgt tatgttacag atgattcctt cactccttac accaaccctg 60
gcagttgggt atgtggatta cccatgtgta ttagttcatt ctcacactgc tataaagaca 120
taccaagac tggacaattt ataaaggaaa gaggttaaat tgactcacag ttacacatgg 180
ctggggaggc ctcaagaaac aatcatggaa gaagccaaga gagaagcaaa ggcacgtctt 240
acatggcagc agaccagaga gaccgcaa atcagagaaca gcatggggga aacctccctc 300
catcagatct cgtgagaact cacttactat cagcagaaca gcatggggga aacctccctc 360
tgatccaatc acctcccacc aggttccacc ctccacaggt gaggattatg ggaattacaa 420
ttcaagatga gatttggttg ggggcacaga gccaaacct atcaccatgt ttcatatgaa 480
gaaagtggga attagagagg ccaaggaact tgcccaaggt cacatgctgg gaatggtagg 540
ctgcggtacc gcaggaagac ataagatgaa atgcatgaag aacattctga aaaaagtgaa 600
attttctcca gtgcttggct ttatcgtgag ctgactctgt gatttctgtc actcaggctg 660
tggatgcaag ttaaaaagca tcagctgtaa ccagtcacag 700

```

<210> 1705

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1705

```

gccaaaggaac ttgccaaagg tcacatgctg ggaatggtag gctgcggtac cgcaggaaga 60
cataagatga aatgcatgaa gaacattctg aaaaaagtga aattttctcc agtgcttggc 120
tttatcgtga gctgactctg tgatttctgt cactcaggct gtggatgcaa gttaaaaagc 180
atcagctgta accagtcaca ggaggatttc tgagttgggc tggggtaggg gagagagatt 240
tctgcttttg gtcccatag tttctgtaac tctggtttag tttccttgtc actggatcct 300
gcattccttg agggcagcca ttgtatttta tctttcagct ttactaaagt atatgaaaag 360
ccgggcatgc taaagtgtac aattcaataa gtttagaatg tgtattcacc tgtgaaacta 420
tcagaacaat caagatactg aacacattaa tcacctccaa aatgtcctca tgccttccag 480
caatcccttc ttcccaggca atcactgacc tcgtttccgt cactatagat tagttggcat 540
tttctagaat ttataaaaa tggaatcata gtctagtttc tttctttctt tcttttcttt 600
tcttttcttt tttttttttt aagagtcttg ttctgttgcc caggctggtg tgcagtggcg 660
caatgttggc tcactgcaac ctctgtctcc cgggttcaag 700

```

<210> 1706

<211> 448

<212> DNA

<213> Homo sapiens

<400> 1706

```

aatcactgac ctctgtttccg tcactataga ttagttggca ttttctagaa ttttataaaa 60
atggaatcat agtctagttt ctttctttct ttcttttctt ttcttttctt tttttttttt 120
taagagtctt gttctgttgc ccaggctggg gtgcagtggc gcaatgttgg ctactgcaa 180
cctctgtctc ccgggttcaa gcaattgtcc tgcctcagcc tcccagatat ctaggattac 240

```

```

aggcgcggtgc caccatgcct ggctaatttt tgtattttta gtagagacag ggttttgcca 300
tggtgtctag actgggtctca aacccttgac ctcaggtggt tagcctgcct ccggcctccc 360
aaagtgtctgg gattacaggc gtgagccacc gtgcccgcc agcctgcctt cattgacttg 420
gaataattat tttgagacgt atccatgt 448

```

```

<210> 1707
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<400> 1707
tacagcttat ttcatactct cctactgttc aaaatctggt gtgcaaagta agagaacaaa 60
gagaagtgat gcttttcaga aaaaaagagc aaatatatgt ggacaggaag gaacttcggt 120
gtccatgtaa cagatataaa attgactgta aaaggcatgt gctcgcaatg tcaaagtctc 180
tatgagtaca gaaggacaca gactgtatta cctgtgtcta acttgtgctg tttctcttgt 240
ttctcctggt tgacttggtg gacagttcga tctaagtcta ttccttgtag cttagctgct 300
tggtgtgcaa tttttctttc aacatcttta agttccatct taagaatata acaaaatgat 360
ttcctttaat aaacttactg cattattcaa aatcttttaa aattaattgc tcttatcatt 420
tattttttta atctaaactt ataaaccatt tctagatata attttagcaa agtttaatag 480
gataaaagtg aaattaatta tcagcaattc aaatgatgta aacaaaagga agctgactaa 540
agatgaaaaa caaacagaac tgtcttaatt tttaaattta t 581

```

```

<210> 1708
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<400> 1708
ttcttttagga ctgaactaaa ttgctggtat cactgctcag aagagtcttg aacttgatgg 60
agcttatggt gagaaataca gtttatttta aattttttatc ttttaattcc atttttccat 120
gaactttctg aagtctcctt gtatgtaaga actaaagttt atcaatataa cataccattt 180
catgacaata aattatttta aaacaattaa acaggtaagc atgaaataag agatttctat 240
tacatctcca aatggttgcaa cttacttcaa tttggcaagt ctgtccctgg tctgattaat 300
ttcttttgat ttactatgta gccagtcctt aagctgtttt ttggtgggaa aatatcccaa 360
cagtgaagggt aattcatcac tgtgcctaga ttttattttt ctgatttggt catctttgtc 420
agcctatagg taaaaaaaaa atctttttaa aataaagtct atatctccac attatatcaa 480
gaacaaaaat aaattctaga ctgactaaag ttctaagctt aaaactataa aaatatgaaa 540
ataaaatata aaatttctta aagttcttaa agtcttcaag tggggatgggt ctttctaagc 600
cttaagagtg gagtaccaag tcgaacaata ta 632

```

```

<210> 1709
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<400> 1709
aaggctctgaa gctttaagggt ctgagtacag tatcttttaa aagctcccta tgtgattcta 60
attttcaggc tatcggggtg tagaaccaaa gagtcagaag atcaagatat tcagatgaat 120
tcattttaca tgagaataag acaaagttga tgtttttatt aaaatgctat aatcttagga 180
tcaaaaatag acaaaaatact tctaaaagta ttatatctta aaattattag attattcaaa 240
caatatctta cagcttttat gagctcctgg tccagttcaa gaatcctgtc tgaagatcct 300
tccaactgct gtaattcata cttcacattt ttcagctcat tctgcttctt acttaggatt 360
tctgatttta actcaattat tcttcccagt ccagttttct tatctcttat ctcatctatc 420
tgtttttggt tcagagtctc tttttctgca aagtcattct aaatgcata gttaaagaatg 480
agcattaata atttactaaa caatttaagt tttttaattg caaaaggaat atatgtacac 540
tgaagaaaat acaaaaaagt acagtcgtgt gttgctcagc agggatatat tccaagaaat 600
gcatcattag gcaattttat cattgtgtga acatcagaat gtattttacat aagcctacat 660
ggtatagttt aatacacaca tagactatat ggtatagcct attgtttatg g 711

```


<210> 1710
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 1710
 aaaaaaaccc agaatacaaa attaagagta tgacatcagc tatataaaac agtattttaa 60
 ggaggaggaa aacacatgaa aatgtcaaca acggttacta ctgggtgcta aaactgtgtg 120
 gggctgactt tcatcttctt ttatagtttt ccagtgccaa gttttctata ataagctatt 180
 atcattttta taattataaa aatacaaaat tgtactagca ccattacctt gggatcgtgt 240
 acaaatgtat ttccttttgt tccaggaggg aaatctccag tacaatatata ttttagacat 300
 tcaatgatgg tctaaagaaa tagaaaatta cattatttctg ttataagaga accacagaag 360
 tttaccataa aatatgaatt cattacaaaa atattattta tcatggaaac tataaaagat 420
 aaaatctgac attataaaac ctgtaataaa aatatgatta agtggttaag ctgtaagttc 480
 acagaaatgc tatataacta agaagttatc ctaatatgaa gaattgttac ttgggaaaaa 540
 aataattatt ttcaactgaa accctttaaa c 571

<210> 1711
 <211> 1249
 <212> DNA
 <213> Homo sapiens

<400> 1711
 ggcgcttccc aaagcttgat cctgggactc ctggaatggg ggtagtgggtg gggtaggattg 60
 gagaccaggg aagcgggggtc agttcatgtc aaaactatatt tcttttcat tctcattctc 120
 tctctaactg tcgtgtagta atttccagtg atcacataac atgtgatgac gccattgcag 180
 tggcggttaa tggaatgtgc gcatgtgtat tcttgcgctt agaaatacca attttaattt 240
 ctaattgagt aaatgttgat aattataact cacgtacacg ctctttgagg tccccgtaa 300
 ttttttagtg taaaggcgctc tttaagacca aaagtctggg aactaaaact aaaagcagtc 360
 tgcaaatatg aagaatgtag aggtaatcca ttccgatcag tgctcccagc aatagatatc 420
 tttaaaaata agggaaagag aagttacctg tctcagaagt aactgagaat attgctttct 480
 tggaaacaaa cttaatggag ggataacaca tttaagggcc tagagaaaca tacataaaaa 540
 ttactgaaac aatagtggag gacattttaa tgaaacacaa atttggaatt actgtagtgg 600
 tataatttgc ctctgcctgc cttggaaaaa tgtaggaaat gtttctccag tcatacaatc 660
 ccaagcaaat aatttacaga acctaataca taaatgtatg tgccaaagga tgcaagtggg 720
 gaagaccagt gagaaatagt ctcttgctgt accaggttaa aaaaaccgga aagtgtcagt 780
 tattacaaaa tagttaaaat aactaatgga acaaaacatt aaaattatat aggaatgtct 840
 tacttggaag agcaaatgta ataaaaaat gggaaaagac gaaagacctt tttttatttt 900
 aaaaattgta aaatacacat aaaatttact gtcttgcca ggcgcggtgg ctacgcctg 960
 taatcccagc actttgggag gccgagacgg gtggatcacg aggtcaggaa atcaagacca 1020
 tcttggttaa cacggtgaaa ccccgctctc actgaaaaca caaaaaatta gccgggcatg 1080
 gtggcaggcg ccgatggtcc cagctactca ggaggctgag gcaggagtat ggcatgaacc 1140
 cgggaggcgg agcttgacag gagccgagac cgcaccactg cactccagcc tgggcaacag 1200
 agcgagactc cgtctcaaaa agaatttact atcttaacca agtgtacat 1249

<210> 1712
 <211> 696
 <212> DNA
 <213> Homo sapiens

<400> 1712
 gggtcccggc ttagctccgg ccggagcadc aggtggggggc caagacaccc gcagactagg 60
 ctgcccgggc ctctcccgga tccgacgggt cccccgcagc ttgtccacac tctgggttgg 120
 gggtcccagc catttgacag ctccagcggg tggagacggc ttggtggggg agatctctag 180
 ggcgcacgcc gtgccccact tcccccttac gggaaaggct ttccagcgcg cggacccagg 240
 agactctcac ctaggctcgg ccccaggctc caggggacac gcagaggccc gccgggcacc 300
 agccccgagc cccccgacac tgccgtcccg gtcccccaac gcgcgggacta caagtccag 360
 cagtccccgc agctggcacc tcccgcctcg ccgcgggagac ccccgggcgt ccaagcggcg 420
 gggctccggc tgcgctcgtg gccgggcccgg gcggggaggc cgggtcccgc ggcgggggca 480

```

ggggcggtc  cgcggtttct  ccgcgcgcg  ccgccaaggg  gagtttccag  gaagtggcca  540
tattggatcc  attcagccgc  agccgcccgg  gcggagcgcg  tcccgcagcc  ggctgggtccc  600
tgtegetgcc  cctgcgetcg  tcccagccca  ccgcgccggg  gcggagctcg  ccatggcggc  660
caccgacctg  gagegctttc  cggtgagggc  cccgct      696

```

<210> 1713

<211> 1121

<212> DNA

<213> Homo sapiens

<400> 1713

```

ggcgcgtccaa  ggcggggggc  tccggetgcg  ctcgtggcgc  ggccggggcg  ggaggccggg  60
ccgcggggcg  ggggcagggg  cggctccgcg  gcttctcccg  ccgcgcgcgc  caaggggagt  120
ttccaggaag  tggccatatt  ggatccattc  agccgcagcc  gcccgggcg  agcgcgtccc  180
gcagccgggt  ggtccctgtc  gctgcccctg  cgctcggtcc  agcccacccg  cccggtgcgg  240
agctcgccat  ggcggccacc  gacctggagc  gcttctcggt  gagggccccg  ctggggccacg  300
gcgcgcgcgg  gaggcgcggg  gcgcaggagg  ggccgcctcg  cagctggcgg  ggggcgcgaa  360
gcgggctgtc  agcgcctcac  ggccggggct  cgacaccggg  ccagctcgag  gaccccgggc  420
cgggctctcg  gccgcctat  cgggggggtc  cggagcgctg  ggccggcctg  cttgccgggc  480
ggctggtcgg  ggctcgcttc  tggggcgcg  gcaaggctaa  cccctttcgc  ggggaaggagc  540
aaagaccgc  ctggctccgg  gcagggtgca  agatagagtg  gcgcgcgcgg  ggccgcaggg  600
gagggtccgg  gacactccgg  accctatcgc  ccagggtgtt  tctttctgca  cacttgggga  660
agagtcctag  ccgcacaggg  gctgcgggat  aggtacagcc  ggggaggatg  gaggccccag  720
gatccgagag  agtctccac  acgagcccag  gacagttgca  gacttgagtc  ctgaagacc  780
ttggcctgt  tttccttct  ccccgctcc  cctctgcccc  gctccccacg  ccggaatcct  840
gggtgcgact  ccaggcaggg  caggcctcag  tggtcgggtc  tgcggcagcc  attcgccagg  900
agctggaggg  attccagact  cagcccagtg  ggcggtttat  tgggctccag  tccagggtcct  960
cagaagggtg  atgtccctgg  tggctccctg  aggggtctca  ctgggcctga  gctgcccag  1020
agccaactta  ctaaaggctt  tcataattca  ctgcgcggag  ggaggccttt  gggggggtgt  1080
atctggacat  cccctgctgt  ctaaggctgg  atctgggtgt  g              1121

```

<210> 1714

<211> 632

<212> DNA

<213> Homo sapiens

<400> 1714

```

actacctatt  tagtatacaa  gaaattaact  actgtacatc  actgtgactt  tagttaataa  60
caatatataa  ttgctaagag  agtagatttt  aagtgttctc  accataaaaa  aattgaagta  120
atgaacgtta  aatagcttga  tttagccagt  ccacgatgta  tacttatatc  aaaacatcat  180
gctgtatacc  ataaagatat  acaatttttg  tcaattaaaa  ataaaatcaa  gttaccttca  240
atggatcaag  ttcattctca  taggatttga  caatttcctt  tgaagatgtt  aactgggctt  300
ccttacttgt  aatctgatca  cgaatctcac  aagcttttct  cttatattgc  ttcagatatt  360
ttagttccat  ttgatattct  tttactttct  gaccttgtgt  ctgacgtacc  tgccgaagtg  420
tttctaaggc  tttaatgtat  ctttgaagat  atgaaacaaa  aatcaaattt  ctggcaaagt  480
aaattatggg  atatattcat  acagtgggat  attatgctgt  cactaagatt  acagttacaa  540
tgagttttta  ataacttgta  aaatgcctat  gacataatgg  taagtgaaaa  aaattacatt  600
tatactgtca  atcaggtaaa  taaatatacg  ca              632

```

<210> 1715

<211> 510

<212> DNA

<213> Homo sapiens

<400> 1715

```

tggatgagag  gtagtaactg  atgacctttc  tgctttttta  attttttctg  ttaaaaagaa  60
gcatccaaat  tgcaaacaca  gttcaataac  ttaatggact  acaaagtcta  ttttaagggtt  120
acaaaccttg  ttgctgaaaa  aatctcatca  aacttttctg  tcaaagcctt  tccttcactt  180
aaaggccaat  tagaatcttc  ttgatgacag  aaaatgacat  tatttagcac  agccttgga  240

```

```

accccaagag aactgatcat ttctcgggtca atttctgcac acttagagct cagactgacc 300
ttttcaccat gcctacagaa aatgaaaatc aagaatatat gtaaaataac cttcagtgtg 360
tctattctat tgcttaatca attcatactg tacttcttta aaagaataaa aaaaaaggcc 420
cttcacctat cccggttagaa atggcttcat catgctaaaa agtgtaactc ttaaactatt 480
taacggttca cagatgaaaa gatatgtaaa                               510

```

<210> 1716
 <211> 845
 <212> DNA
 <213> Homo sapiens

```

<400> 1716
gaccccatc aactacttca aattttagtt ggggaaacca agtcccagag agagagggtca 60
ctggatttat aaagttaaaa gcagagccaa acatacatct caccatttct ggcatcctc 120
agatattaat actcagtttt tcaaaccaca tgcaaggaag taaattcaga ggtaacattt 180
aactatgatt taaaaaata ccaaaaccat aaattttcaa ggcagtaatt atctccttct 240
caacagtgtc ttgagaagaa gcatgcattt gcactgggga gggaggcaca gagtgcagtc 300
tcggctgtac tgctgaaccc tgaaggcctg acagaggctg cctggaatgg gatgaagagc 360
agcaaatacag aaacaggcaa tctgtccaat tttcagtga acaagtttca tgattttaga 420
acctctcaac atccaaaatc ctgacacaaa tgttcctttg aaagaatata ttttcttatt 480
gactaagtgt atatgagaaa taagtttctt attatacact ttctgaggac ctacatttct 540
atggcattta aatcttggat atttttaatg aacattgaat cccaggggagc taacactgca 600
tttcacaatc tctgagcact gatcgatgtt ctttttaatc ctgtagaatt tctccacata 660
ttcagaacgt cctaaaagct ccacaaaatc ttcacatga gtgattacca gaagctggaa 720
gttacgctgc tgtgagcgac tttttattat ctgcaacaat atattcagaa catattatta 780
gtaaagagca taacccttc tttgatttga aaagtcaccg caaaccttgt cagacacatg 840
aactc                               845

```

<210> 1717
 <211> 789
 <212> DNA
 <213> Homo sapiens

```

<400> 1717
acacctgtgg agccctaggg acgcttctgc tcctaaggag agttctcaac ttcccatttt 60
attctccgaa agatgtagcg acctgtaaac tgaaggcggc tactgaagac ttaccgtctt 120
tcccgcctca ttgggtccaa ccaaaattgt aagggggctg aagaaagtga taatttgctt 180
atctttgtcc tctattccaa aactccgcac gcccagaatg ctcatctttt cgatccggga 240
catgtttgca aacgtttcta atctcaccag ggacctggag tccacaaagg cttaactgag 300
gccgaagcaa ggcgtgcacg ggacgtgaga cccgcgaatc tcagggtcag gaggatccgg 360
gcggggagcg aggccacagg actgccaaaa gatcctgcc aaccaacagc ggagagaggg 420
ggcgggggat ggagcctttc ctcccacacc agctgctttc cccgccggtg gggagagcgg 480
aggcggggac cagcctgggg ctgcccgcgc gggacgcaaa gccgtagcca caatgcgacc 540
ccgcaaccgc gactcacag ctctctgect cgcccgccct gcggatcacg tgggcctcta 600
ggcccgcacg cgtccacgcg gctctcctgg ggcacgcgg gaaatcagag tcccgcggtg 660
cgtgcgcagc tccgacttcc ggggtgcggt cggcgaagca gagggctagg tgctgggtgc 720
tgttgccagg ggcagcggac ttccggatct ttgctgggga tgggcagcct ggagaggcac 780
tgacttttg                               789

```

<210> 1718
 <211> 466
 <212> DNA
 <213> Homo sapiens

```

<400> 1718
aagtctattg aaaaaaattt aatatgctcc cctaaactta tagtagaaaa caaccatcaa 60
cttacagacc taaaagactg aaaatgaaca gaaattcaaa tatcatataa acacctactt 120
tgttctagta atgactcctt ccagagtttt aaattctgtc tttttgcttt tctgagtaca 180
caccatagat ctttgcacag ctataagttc tccattgaca tcacgaaatt gcagacgaat 240

```

```

ctgggctctc acatctgttt cttgagcaac ctttgaagga aaacacagaa aaaacttatg 300
ttacttttaac aagcaccagt gttgggttctg agaaaaaggc ataagcaatc ttacccaaaa 360
tgaggggaaca aaaagaaaaa catccaaaat gagtgatatt ttacatgct atccaaaata 420
tagaagaata ctgtttaatt aatttacaaa aatgatatac tatcta 466

```

```

<210> 1719
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 1719
agattttatc ctaacactaa tagaaaaata tgccaaaatg gagtccaacc aaaaattaaa 60
acaattcaag tagagaatat gatgcaaaac aaataacaaa tactgtattt caaaataactt 120
gccatcagtt ggttggcagt ttttgcttcc ccttcttgct tctctctcac aagtttggtga 180
aaatttttaa tctgtctttc actgaatggt ccacgctcaa agccatccaa ttctagctgt 240
gttgccaaag actgaattaa tgaatctcta gctcggatat gttcttgatg gcgatctgct 300
tgcagctgta gacgaccttt taaaaaaaaa atctcataat ttttttttca actggtgctt 360
aaaaagttga gatagctgca gattcacgag ttataaaaaa taatgcagtg tgtctcttgt 420
acattttgcc cagtttctcc caatgataac attttgcaaa actgcagtaa aata 474

```

```

<210> 1720
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 1720
tgtatagcct ttttaagattg gcttttccact cagcataagt ccttggagat tcttcattca 60
tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt tgtcctaccc 120
tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt atttagtttt 180
tccagttcac gatgacagtc taccattttc ctttctttct cccttactgt tctctggtga 240
ttgtgatata agtcattttag ttgctcatca gtcccttgaa aaacctgtgt aacacaaaaa 300
taaaaagctt taatgtacaa acataagaaa atatgatcac tttgaggtat caaatataaa 360
ccaaacctta ttcaatatcc ttcattttta catatacata gaagtaacaa gatctgtatt 420
tgtttttttc caatgtggat ggcaaaatgg attcaaataa agttcatt 468

```

```

<210> 1721
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 1721
atacatagaa gtaacaagat ctgtatttgt ttttttccaa tgtggatggc aaaatggatt 60
caaataaagt tcattacaat aatcccaaaa ttttgaagca gaacaaaatt ctaccaccac 120
aaaccttttc cattttctct tccagttcac tattatcttt ctccatttgc ttctttcggc 180
tatccaaggc ttttaatttca ttgtcaagtt tcattatttt agagagatta tgttcaattt 240
cttttagacg attctgaaaa taaagaaaca ttacataaat aaaactcact atagcttaca 300
tggctgatag atgaagacaa gtaagatact ccagggtccag gcatttagta aaagtgatct 360
catttaaggc taacaataac actgtagagc aggcctagag aaactgaagt tcagagacat 420
taagtaactt ggcccaagtc ctcacagcta gtagagagaa gcaggaat 468

```

```

<210> 1722
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 1722
gctcacttag cctctaaaat atagtcaata ccaacttaat accttatagt ctatgactta 60
tgagtgaag gtaggctatt ttaagtacca gacagtataa ttagaacaaa aagaaaaatc 120
atactttgtc tttggtcagc atctccattt gggtagctgt tggtgtatga tggtttaact 180

```

```

gtccatctc ctggtcaagt ttacgcaggg tctgtctaa gtctgctttt tcattttgga 240
gacttattac ttccattttt aaggtttcta cattgctgtt tttctcagcc ttgcttaact 300
cacgttctta gtcaataatt catacaaatg caaagggtgt atataatttg tgcaagaatt 360
aaaataatga caaagtgtat tagaaattaa ctact 395

```

```

<210> 1723
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 1723
tgaaatccaa gccattaggc tccataacca gggtttttaaa ttcccatcc ttaacagtta 60
cctgtgaatg aaaattcaaa ggtgtcaaag tatcctgata atataaagta gacaacttac 120
ctcgtgtgtt tgatgatttt tcaatttcct ctttaagcct gtctaaatca ctttcaaaat 180
cctggctacc acaaacatca aacagcttgt cttcgtaact ggacaactgc tcttcctttc 240
tttttagttc attatttata tgatttttat tctgtctaga tgaagctagt tccttgctaa 300
aataagagca aatatggatt ttcattttta aataggagaa attagtttga aaatttgagt 360
aggcaaaaac aagacaaatt ctgccaacaa atcat 395

```

```

<210> 1724
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<400> 1724
ggggaattct aaacacaacc tgtacctgaa tactagctac tatttttaac tctcacactt 60
caaattcaag ccaccatgga acaagtttta ttctgcctta aactacaata aacttacctg 120
gaacctctcc ataattgtaa catctgtcag gcatactttg gcactttctt cttcaggcat 180
tattgtaccc aagagtgttt cttgttcttc tatgtcgttc tttaggcgt gtatgtctct 240
attgacattc tgcagtttgt ttcttaattc tggattttcc ttctccttca aatcaattat 300
gctttgcta aatagaaaac acaattaaaa ataaagtatc tgatgtttct cacagttaga 360
ctgagggttat gtatttttag gaagaatacc acagaagtga cattgtgttc ttttcagggt 420
atcatatcag tggatatgga atcatgatat caatatgtct ta 462

```

```

<210> 1725
<211> 467
<212> DNA
<213> Homo sapiens

```

```

<400> 1725
cttatcatag aagtgatata agacagggca taccagctca gagtccttac tgagtaacta 60
ccatctgccc aggcatgaga tgggtacctt ttacaatgtg ctgctacatg tacagtgaag 120
gtaaatccca ttcttacctc atgggcacaa gtcccagcat ttcatcacgc cgcttttcct 180
tttttttag ctctgattct gttgacttga gtttatctgg agcaagtgc agtttagact 240
gcaaatcact gatgacttct tgtaactcag cctctgtctg aaaaactctc tgacaaacgg 300
ggcaacatga ctggttttcg tctgttagct gagtaatgaa ctgggagtaa actgctgtgg 360
ctccagccag catggctatt ttaagaaaat aaattatatc accaatgaga aaaaaacata 420
aaatacagta ttctgaatac ggttgtatct ttttctataa atatatg 467

```

```

<210> 1726
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<400> 1726
tatgatcgca gacaagtccc tttctcacct ataggaattg attaattagt ctcatttctt 60
aacttctatt gtagatcaag cagcaaaaata atttacatca aatccttggt ctaacaagaa 120
tttctaattg caaaattata ccatgaatct gaaaatacta tttatcttat gctattttaa 180
ttcatgtgaa ataagtgtcc gacgtggtgc tatgaacata agtttaatac agatatttga 240

```

```

taagtaaata tataaatgaa atcttacttt atcctgtgct attttgttgc ttgtattttt 300
tttgttgatt aattcttctt tttcttgctg gaacttttcc aatgttggtt ccaaagggtc 360
tacctgctct ttagcatcct aaaaatataa aaaagataaa gtattatata atattccatt 420
atcttacttt aggggtcaga cttcacagtc ttaataaaaag cactttctat gtgccaggct 480
ctaaaagtc actcatttgc tcctttcaat gaccctatga ggacagtacc atcattttca 540
gtcctata                                     548

```

```

<210> 1727
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 1727
gtaggcggat caccttagtt caggagtttg aaaccagctt gtccaatggc gaaaaccctg 60
ctctactaaa agaacaaaaa ttagccaggc atgggtggtgc acgcctgtaa tcccagctac 120
tccagaggct gaggcaagag aatcacttga acccaggaga tggaggttgc agtgagccga 180
gatcgtgcta ctgcactcca gcctgggtga cagaacgaga ctgtctcaaa aaataaaaaat 240
aaaaataaat aattaaaaata attttacaaa aaacatgtat ggatattctt acctttatct 300
ctctgtacaa agactgaact tcagtggata attccacagt ctgctcctcc agttgctgac 360
gacgttgcaa attagtggat atctgaagtt tctcagattt tagctcattt gttgtacttt 420
ttagatgttg aatctgttcc tgctgggtcct gtataagctt acgattcaat tcaatcttac 480
tagaaaactac acaaaaacat attatcacag taattaatgt aagggcatag aaaatactat 540
ttgtatcatt cttcccattt ttatcggtct atggaatcca caaatgctat ttctgtgggc 600
cccaccact gcaacaaaaa tacaat                                     626

```

```

<210> 1728
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 1728
gcaaagagct tcccaccatt cagggtgtagc cttgggtgct tccactgcac tgatgtttgt 60
ttctctcttt cagtactttg ggtgagttgg ctccccaggc ttttgagata cctgcctttt 120
gtccagcact gcctcgtcct cgcataatcca aggtgtgtgc tcccttcagc atcaccactc 180
ggtagtata attccgcctt ttatcagaag ctgatacatt ttcctcggca tcagaccgta 240
tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaac ctatgctctg 300
tagccttttg tcatttacaa acatatcaag taagcctagg aacaacagat gaggctgaca 360
ttaccagagg aaaacaatgg ctggtgtg                                     388

```

```

<210> 1729
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 1729
tgccaagata agaattctta gaaaatctca aagacatgct tagaaagggg tccagggagg 60
taatgctggc atgatgagag gtcataaggg gaagagctgc ggagagggct ttggaaagag 120
catttgatgat acaccatggg actcaccttg tccacgatag gtacttcgcc acaggtcacg 180
tataatttta ttgatttctt ccattttcat actgtgaaat ttcattattg ctctggaaaa 240
ggaagtcatt ggtacttcat atatataaaa aataattatg tgtaatagta atattaaaaat 300
acataaaaata tataatatat aaaaaataga aatataaata acttcctcaa tattttcaat 360
ggtaaaagta gaatatagta agagctacaa aaataaacag cagcaaaaact ttgctgcttg 420
gctaatactg aaaattggca ggcttatttc tagtgctcca ggggtaccct t                                     471

```

```

<210> 1730
<211> 428
<212> DNA
<213> Homo sapiens

```

<400> 1730

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gatgactaaa gtatgttagt taatattaac tgcaataaga aaatccccag tctaatactt 60
actgggtcaag agtcttataa taaatatcca gatccttggt cacaagttct gttgtcctca 120
taacaatcat ctttctctta tacttttccg cagcatcccc aaattgtggt tctcgaagtt 180
ctttctttaa atgaataatt tcttcttcat aacctttctg tcgcccta at gccaattat 240
gatttctttt tatattgtct atgttctctt ccaacttctg atgttctactg taaaaaagaa 300
aaatgacaaa tgaggaccat tttttagctt ttaacaacct gaagtggaaa agtcatagat 360
ttcttttagat aggttaagta tcattctcct tagcaatcag tatattataa cagagtctct 420
ccttgctt                                     428

```

<210> 1731

<211> 395

<212> DNA

<213> Homo sapiens

<400> 1731

```

acactgttca ctttctagta actctcaaag gataccaggc tgaggctaaa attcttttaa 60
aacagggtatt taatattctt cacattccag taataaagac gtttatttaa actgaagatt 120
atttttaaag catacctttt catttgcaa acctgcattt gaccttttc cttcaaagt 180
tgttttcttt cttcttcaac ttcttttagt tctctatttc ttttcttaa agtaagggtta 240
tcttgtagcc acctttcttg tatctaaagg taaacattaa attagttaac aaaaataacc 300
aagttactaa catgaaatct gtaacaggca actgggtgaca gcaagtgcc tttctgtctt 360
acttagaatc atgtgaaatt caacagaggg agaatt                                     395

```

<210> 1732

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1732

```

gtgtgagcca ccacgcttgg cctctttcct ttttgcattt ctattcaatg gatcttctat 60
tgaaaataaaa actatagaaa agaatgtcat aggtgtaagt gatatcataa gcaaaacaga 120
cctaccttct gtgtatcaat atcttgtctc atgagtctca tatcttcatt tatcttttct 180
ttgtgtttct cgcattcact tagttgagct attactttat taagttcagt ttctttttgc 240
tacaaaaaag aaaattcttt aagcacatga ataaaaatac aatcaaataa ataattttaa 300
gttttaaatt accttcttat agtcgtcttt cccatcttga atataattct caatgtcttt 360
catatagcca tgaatatatt taaccttctc tttaatatca ttcagctgta gaaaaatatt 420
cattaaattt acactgggtg tacttaaggg cacataacag gagagcacag taaaacactg 480
gctgggaagt tatgaacatt gggttccagt ttccaccact actgaatttt atgatcgag 540
acaagtccct ttctcaccta taggaattga ttaattagtc tcatttctta acttctattg 600
taga                                     604

```

<210> 1733

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1733

```

tatcacaacc tgtcccaaaa tgtgagatac ttactcaacc agagcatgtg caagagatac 60
ttactcaacc agagcatgtg caagagattc aatgttttct cgggtcaagat ttgtgtgttg 120
ctcatccaag gcaatgatgc cacagttgag gcagaacgtt tcagccaggg ccaggcgaat 180
gatgagttag gctaatacct ggaaaaaagc ccctatgtga gaagcccagc acagaccttc 240
tcattctcatg gcaggcaagc agtcctgaca tgatcttttc agcagggaaa agtgggaaac 300
gtcacaggtt cactgttagg taaagcactg ccctctggga gagcccagca ctgggaccag 360
attcttatgt cctcca                                     376

```

<210> 1734

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1734

```

agataacatt aagaaaatat tatttgcaaa actgtgagtt tgctaaagct aggagatggt 60
gaattttatc aaatatagct gctagaattt tttcagaatt tttttcacct tcggttttat 120
tatagtgatg gatttatcaa cagatttttc attttctgaa atcttgcatc cttgggataa 180
aaatatcttg gttattgtgg atgtttaata tatgactaga attgatttgc tcttaatctt 240
actcgtgatt acatttagga ccccccccca cccaccacc acccccagga tactctgtct 300
taaggtcctt agctttaatc acatctgcaa agtttccttt gctgtataaa gtaacagtca 360
cgggttctag aaatcaggac ctgtctatct ttgggggcca accatttaac ctagcacaga 420
tagatgcctt aggaccttag ggcttaattc tcttctggac ccagttgaga aaagctgtct 480
aggcaaacat gctcattata gctacagatg gcacaaaacc atgccatgtg actgaatcaa 540
gacccggtat ggtcctggct gactctgaat gacaaaactc tacaaagcat aattcaaaag 600
cgtgtgactt ggttgcatc tgtgtggaat ggaaggattc aagatgtcag ctggcaa 657

```

<210> 1735

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1735

```

acaaagcata attcaaaagc gtgtgacttg gttgcattct gtgtggaatg gaaggattca 60
agatgtcagc tggcaattcc aggaaaaact gtgattaggc ttttcttaga agtggcatct 120
gaagagcaaa tggagaggcc tgttcttcca ggtctggttg gacctacag ggagcaggcc 180
ttgactctgt gagtgagcct ggcttgccct ccacatggca atgcccactt agagaggaat 240
caggattgat ggtgaagcca gtatgtcaca caggatagac gcagaggagt gttacaggct 300
tcttcacgat gggcagatca ggcctcaagt ggtcagagct ttccaaaggc ggggtgtgcac 360
agtggagaat ttctctctctg tagagagagc tctgagctct gatgaccatc tgggaaggat 420
atgtaggaga agaaggtggt ggggtactgac ttagatgatt acttaagggt cctgtcaaac 480
tttgagaccc cattcaacta cttcaaattt tagttgggga aaccaagtcc cagagagaga 540
ggtcactgga ttt

```

<210> 1736

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1736

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gtgtttggaa ttttgtcttc tttagctgag accaaattaa accttggtgc ataaagtgag 60
cttaaaactt gccactgttt agtaagttag ccccataga atgtgacct gtctgcagag 120
tctcatttac ccctcttttt ctcattgtca tttgttggtt ttattagggc tgtcttacag 180
gatcatgttg gcatttacta tcatgtcttt atcataaacc atgtttgttt gaggtagaag 240
aatcaccata taattcgttg cccaaattgg gactattgag agagaaaggg gatgctatta 300
attacaccag atcaaaaggc ataaaccaga cctgtcccag gccgatgtgg aaatatgttc 360
tttctagttg tgggtaccct gatctagggt gtttgtaatt gtgcattact gactgcata 420
gtttgtgtat gtgtaaatgt gggctccctg ttaagtgggg ctcattggata cgaggcctga 480
ggaagtgtgg cttgctagtc tgttacgtta acatgctttt ctaaaattgc ttcacgtgtt 540
aattcattta ctctgcatt cattgactgt ttttgttctt ttccattcac tttgtactta 600
tttttttcat taaattttgc atttattttg agtttttgtg gtgtcttttt tgggcagtag 660
cttttctgat ttaacgtttc ctgagcccat taatc

```

<210> 1737

<211> 628

<212> DNA

<213> Homo sapiens

<400> 1737

```

ccagcgtttt tactgtgaat gtaaattggaa cagcagccca aagctgttgt ctgtgcccc 60
gagggtgctac ctgtagacag ggaccaactc catgtgtgtg tgtaagtgt ttgactccaa 120

```



```

ttaagactcc caagcaaattc ctgcatattc caaatgtaaa gagtactcag tgggaaaaaag 180
gttggttacct caaagtcatt gcttctttcc tggctgggtc acagggtgaa gagatgaagg 240
tgtctgatgt atatagacaa tttagggaaaa atgagcggca aaggagcttt ccccttcagc 300
tgactctaa aggggaacat ttttaaggaa tactagcagc tttgactctt ctatgtctct 360
gttggtttac aagccaccaa gaatgtcagt gttgagaata cggcctggta aaatgggaga 420
tgtaaaatga ctaaattgaaa ggaagggtag ttttaatgtt gaagcaccgt gctgggcact 480
ggagctaccc agaggaatgc acaacgctcc cctcaaggag ctcacagtct agcctactcc 540
ctggctggaa gcctcaggaa gacgtgctaa tttattgtgg aattggtagt ttgcttttca 600
tgccctgtc ttccttctca tgaccatt 628

```

<210> 1738

<211> 552

<212> DNA

<213> Homo sapiens

<400> 1738

```

caacgctccc ctcaaggagc tcacagtcta gcctactccc tggttggaag cctcaggaag 60
acgtgctaatt ttattgtgga attggtagtt tgcttttcat gcccctgtct tccttctcat 120
gaccttttcc ccccttctgt ctggcttgca ttattgattt ccaggaccaa gtctggctt 180
cctcctgcct tcctgagatg atgttctgct cagggaagaag tggaggggtg agctgtgtgt 240
gtccaccgag gcacggccag gaagaggcag cctttacctg tgaggggtc catgctccag 300
cagcagagca ggttctagtg acaattcaac tttttatgct atgaccaggg gtggatctaa 360
attttatggg gctgaaagct tgaattattt agaaagactt ctttaagaaa aacaatgtta 420
atataaaatt aggtacaggg tcttggaagg ggccctgaag attaagcttc cttagcgtca 480
caataagtcc gtatctgggt gcaattgaaa actgatgctt cagtgagggt atctaaaaag 540
gtaaactggc at 552

```

<210> 1739

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1739

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cgtatctggg tgcaattgaa aactgatgct tcagtgaggg tatctaaaaa ggtaaactgg 60
catatccagg gcaaattgtg gctgccaatg gctcatctct agggtaattt tatgtctgaa 120
agtgtatgca gttgggtcag agcatgacct ttaagatagc ctctctcagc taacatattt 180
atgaagatga ggcttgggtg cccagcagg tcaattggata cataagaaat gagaattcct 240
ggttcatggg ccaacctagg actctggagt atgcagactt ggccattcgt ccattgtggc 300
ctgcggtcg caccacaggc atactgaaag gccatactcg tggctggctg cctgcgggcc 360
taagccttcc caggatcttc aggacacttg acagacttgt gtttcttggg ctgagctgcc 420
tccacaggtc cctocagcaa gcctcactgc acctctcccc tgctgtttgt gtttggaatt 480
ttgtcttctt tagctgagac caaattaaac cttggtgcat aaagttagct taaa 534

```

<210> 1740

<211> 524

<212> DNA

<213> Homo sapiens

<400> 1740

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cttgctgtct tttgcttctg tttgatttgg tctgcatatc ttttaatgtg tctgtttttg 60
ttttgtttgt tttattttta tttttcagtt aacgcacgca cagacttaca tgtcaagagt 120
ggacttttaga ctttctagtgt ttaagttgct tgagttacac cttgtgacct ttctccata 180
acatgggtgt aggacggact gggagccggg acagactcca gtgtttacag ccttgcttcc 240
ctccaccga cctggcccc aggotgcccc gggcctggcg ggccaccct ctctatgcaa 300
acacgtaaaa gccatgaatg ctggaatcca aaactgacga ggtttatttt ttccagagcc 360
agtggctggg cttccattta cagtgtcact attccctgac ggagctgtta tgtgccgctc 420
tagcgaaggc cccagccggg atgctaggcc taattgttca gcgtggagat ggcaactcac 480
gtggtgccct aggtgcagct gcgtggtctg gtatacatgc tgca 524

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<210> 1741
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 1741
 ttcagcgtgg agatggcaac tcacgtggtg ccctaggtgc agctgcgtgg tctgggtatac 60
 atgctgcaaa attcaccagc ttccccctcat ttttaattttt ctaacctaca gcttaattttt 120
 aataacttta aaacacttct aaatatattat tttggcacca gcgtcaagac aaataatatc 180
 ctctccattt attttcataa gtaacacaga ttccctgatt tttaaaaact aaaaatacag 240
 ctaaacccttt cttatgtata aagtatgcct atcatataca gggagaggtg ggtaataaac 300
 ttcctgtaat gacagtgttt ggcatcttctt tatggatgga attggaacat gaacaagacc 360
 atgtccagcg tttttactgt gaatgtaaat ggaacagcag cccaaagctg ttgtctgtgc 420
 cccagaggtg ctacctgtag acagggacca actccatgtg tgtgtgttaa gtgtttgact 480
 ccaattaaga ctcccaagca aatcctgcat attccaaatg taaagagtac tc 532

<210> 1742
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 1742
 ccacatgatt ctacttctct ggctctgccc tgccctatcc cattccgtca taatcccatc 60
 cttggcctct tttctctggg tctccacagc ctacaagaga catacgaggc caagaggaag 120
 gagttcctaa gtgagctgca gaggaaggag gaagagatga ggcagatgtt tgtcaacaaa 180
 gtgaaggaga cagagctgga gctgaaggag aaggaaaggg aggtatgtgc caggctgggg 240
 gctgggatgg ggaagctgag ggaggggaagg cctggctgag ggtagaggtg ggggtgcctt 300
 cctggcccag gctcaag 317

<210> 1743
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1743
 ggggctggga tggggaagct gagggaggga aggcctggct gagggtagag gtgggggtgc 60
 cttcctggcc caggctcaag ccctcctctt gctccccgca tcttctgccc cctttctgat 120
 gccagctcca tgagaagttt gagcacctga agcgggtcca ccaggaggag aagcgcaagg 180
 tggaggaaaa gcgccgggaa ctggaggagg agaccaacgc cttcaatcgc cggaaggctg 240
 cggtggaggc cctgcagtcg caggccttgc acgccacctc gcagcagccc ctgaggaagg 300
 acaaggacaa gaagaagtag gtggcaggct gcgcctgcgc tggctcctct tgctcctgtg 360
 ggctcttget ttcgttcttg tccctcacct cccttctcgc tctcctgctc gccctctctt 420
 acccctttcc tgtttggttt tccctcatct tcagtggctc tccccccagc tt 472

<210> 1744
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 1744
 ctgccctgct gcctgtagta ccctgtgctg tttcctcctc atgcccacct gcgtgcctac 60
 cctgactctg gactgtgccc gcctgcatgc ctgcctgata cccaccggc cctctgcttt 120
 cagtgagagaa tgagaatcac tgcgacttcg tgaagctgcg ggagatgttg atccgggtga 180
 acatggaaga cctccgcgag cagaccacaa gccggcacta cgagctctac cggcgctgca 240
 agttggagga gatgggcttt caggacagcg atggtgacag ccagcccttc aggtgacagc 300
 ctgagccaga gtgagcctgt cttcacagct gtggccagac acaccacctt ggcattctgtt 360
 ccctgagggga ccccatatcc tcttaccctt cgtgccc 396

<210> 1745

<211> 1218
 <212> DNA
 <213> Homo sapiens

<400> 1745
 ggaggcatag ttaagtaact tgcctagcta aggttaaaaa gctagcagga ttccaccagg 60
 aagggttgcc atagatccag ctaccctaac cactgctctg ctctatttct tgtagataac 120
 ttttaatacag catgggaaac agcaacatag agagaggagc aaagtgaaaa cattgtcagg 180
 aaggtccagc gggaagtcag tccaccttg ggacaagcta cagtttgcct gggagagtga 240
 ggaggggaaa gccaaatcag ggtgacaagg tcaaacagca gagagggggc tcctcttaag 300
 ccaggtgtgc taagtcgaa gtggtcttta ggcacctcca gtcagcacia gtttctgagt 360
 aggagaaaac ggtcagggtg cttctcagca tactggggtg aggggtgtgt gtggaggggtg 420
 gaccaacctg ggatgaggcc agtggggggg agggggcaaa ccttgccaca tcccagaaa 480
 gagcagagag aaaggcagag ggaagagaaa gaaacggggt ttcagaggat ttgggagctg 540
 cttttgtata gattgtcagt gagaaggata cagaacctcc tgaggcctcc gacctggcg 600
 taagtgttaa ttttctgaac gttttgagca gtgacattag cggagagAAC gtgcacgcac 660
 tgggagtggt catcctcttt gcacaatggg ggaaccatta agacgttggt ccaagccctt 720
 gggacaggca gggatgatga cacttgcaat ctgacgcctt gaccgtcgag ctccgctttt 780
 ctattgcagg aatccccagg taaactgcgc atcctgctcg ttggttgac aaggagccga 840
 aggttggtcc cttggccggg aaggccgcct ggccggacgc gcgggtcccg ccgggttcc 900
 cgccttagct ccggccggag catcagggtg ggcccaagac acccgagac taggctgccg 960
 cgccctctcc cggatccgac ggggtctccg cagcttgctc acactctggt tgggtggtccc 1020
 agcacatttg caggctccag cgggtggaga cggcttggtg ggggagatct ctagggcgca 1080
 cgccgtgccc cacttcccc ttacgggaaa ggctttccag cgcgcggacc caggagactc 1140
 tcacctaggc tcggccccag gctccagggg acacgcagag gcccgcgggg caccagcccc 1200
 gagccccccg acactgcc 1218

<210> 1746
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1746
 ggggcatcgg gctccctctg gggaaacttg gcctggagtt ggtgctcggg tgtactcagg 60
 gtgtgtctga gatttgttga gaattcagac atcgggtggg gctgcttcac tgttttaact 120
 cagatttagc gccaccccc cagcttgacc tttctcccc agtgggctca tgtcttgctt 180
 tatttctctc ttggcagaat gcagagccag agccccggag cctctccctg ggcggccatg 240
 tgggtttcga cagcctcccc gaccagctgg tcagcaagtc ggtcactcag ggcttcagct 300
 tcaacatcct ctgtgtgggt gagtgtcagg gcctggcctc agacagaggg tgggtgagaa 360
 cctcctggga gagggggtgc ttctggcccc ctgttgagct gcaagggggc ttcccaggca 420
 ga 422

<210> 1747
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1747
 agttcctggg gaatgggggt gatgagggat ggggtggggc gcctgcccct ttctcttacc 60
 caggggccat ggatgcctga gccctgcctg gcctagccac cagtcaagga cagccattt 120
 ccagcctatg acacccactt cttccccctc tgtcctcact gccagggga gaccggcatt 180
 ggcaaatcca cactgatgaa cacactcttc aacacgacct tcgagactga ggaagccagt 240
 caccatgagg catgctgctg cctgcggccc cagacctatg acctccagga gagcaacgtg 300
 cagctcaagc tgaccattgt ggatgccgtg ggctttgggg atcagatcaa taaggatgag 360
 aggcaagagg cgggaagggc ggccccaccc agcctcctcc cccccacct acattggccc 420
 ctataacagt agcccagccc tcacactgca gggggccagg gagggcctct tggggaatat 480
 ctgaggctct gtggtcacca acagacca 508

<210> 1748

<211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1748
 atctcaggca gaagctgttc ccagaaagaa aaggccaggg ggcagcctgg cttggccccc 60
 agccctgagc cccccaagcc ccaagcccct gatctcagct ggcagcctcc tgggtgatgg 120
 agctgtctgt agttacaggc ccatagttga ctacatcgat gcgcagtttg aaaattatct 180
 gcaggaggag ctgaagatcc gccgctcgct cttcgactac catgacacaa ggatccacgt 240
 ttgcctctac ttcacacgc ccacagggca ctccctgaag tctctagatc tagtgaccat 300
 gaagaaacta gacagcaagg tatccctgtc ccacctgct gtcacaggct ccatagtctt 360
 ctgctgcgat gcgatgtgg ggctgcctca tgccctgaaca ccatggctct cagggacctg 420
 gtcggggggc tgtgggtggc cccccattgg c 451

<210> 1749
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1749
 tctctctggc ctccctcccc ctgcccaggg atatggcctg ggcatgtcta tccatatact 60
 gggcatggca tgggaaccac cgctcaaaag agccaaccag cctgctgtcc cctcccctga 120
 tcttgccagg tgaacattat tcccatcatc gccaaaggctg acaccatctc caagagcgag 180
 ctccacaagt tcaagatcaa gatcatgggc gagttggtca gcaatggggg ccagatctac 240
 cagttcccca cggatgatga ggctgttgca gagattaacg cagtcatgaa tgtgagcggt 300
 ggggtgagggc ctccagggcc tggggccaga gggcgaggag ccggcacaga tctgacacag 360
 ccccaggaga ctcttggttc ccaggattcc agccttagct tctccaggac agaaggggtg 420
 gcactctggag ctggccagtc ctacatctgt gggcagggga caggaaga 468

<210> 1750
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 1750
 ggagttctgg gacatttctc cagaagagag ccaggaagta agcatctggc cctggagcct 60
 ttgttcagggt ctggctgccc ctccctagga cccaggggca gggagggaga gtctgccatt 120
 agtctgtgtc agctcagggc ttacgcatac ccgggcccct ttccaggcac atctgccctt 180
 tgccgtggtg ggcagcaccg aggaggtgaa ggtggggaac aagctggtcc gagcacggca 240
 gtacccctgg ggagtggtgc aggggtgagtg tggacaggaa atgcatcctg ggggtagaac 300
 tgagttccct ggcctgccct gctgcctgta gtaccctgtg ctgtttcctc ctcatgcccc 360
 cctgcgtgcc taccctgact ctggagtggt cccgcctgc 399

<210> 1751
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1751
 cgaggtaaac aaagtagggg gcaatgatgc tgcccactct ggaggccgtg gatgtgaccc 60
 ccaccgccat gttcctgacc aggggtgggt agagctcagc agtgaagaca tacagcatgg 120
 agaaagcaga ggtgatccca aattttccca gcatgaccag accaatggat aagaagtaat 180
 aatctggaaa agagaccggg tataaacaat ggtgctttta gaaatgatac ttcttatat 240
 cagttatttt tattgtcctt tttgcttcag tgggagtact tttattaaca taaatatatt 300
 cccaaaatag cattttctct tcaaagtgtc taatatattg gcatggacaa agatggagct 360
 catgtgaggg gtggctttgt actttgttct actgttattc taggtcatta atgcattcag 420
 tgacctttgt ccacttgtct tttgtttgtt aaaacagttt catgggtaag ctattagcat 480
 gttaatatag ttaagtttta tcttcaaaga ggaggaccaa tcctttctat cctctttctt 540
 attattaaga aatatgtatt tctattacta tcaataattt agtgacattt taatattatg 600

457/663

```
agaacgtcag acacaagggg aaaaggggaag catatatcct tttgtgtgct atttaactac 660
ttaaagattc agaccagaaa accactgaat gtatcctgga 700
```

<210> 1752

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1752

```
tcttcaaaga ggaggaccaa tccttttctat cctcttttctt attattaaga aatatgtatt 60
tctattacta tcaataatatt agtgacattt taatattatg agaacgtcag acacaagggg 120
aaaaggggaag catatatcct tttgtgtgct atttaactac ttaaagattc agaccagaaa 180
accactgaat gtatcctgga accgacatgt cctactcact gtaatacttg aatatacacc 240
cagggaaaaat gtttgagagt agccagaaat taggaatcat gactatgagt taaagggaga 300
tggttaggtga gtcttttctgt gaaggggatg actgggagag ttactcttcc tctttggtgc 360
tttctgcttc tctgagactg tctcttctgt ttggggtagt tgttttgaac acaggaaaca 420
acatacgtag tgagcaatca cctgtctaatt tgacttatga atggccttat atgtaaaggc 480
tgaataaaca tggagcagtg actcagaagc agcctagtca atatgtgggt cttttctggt 540
aagctgttca tcttggttaa cttnttacc acaggtacca gttgaatgaa gagaagcaca 600
cctcctcccc agaacagtac tgcagctatg atataacgcc tgggcagggt tcgcaatagc 660
agccaggctg taatgtaagc tgggaatttca atcaaggcag 700
```

<210> 1753

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1753

```
actcagaagc agcctagtca atatgtgggt cttttctggt aagctgttca tcttggttaa 60
cttnntacc acaggtacca gttgaatgaa gagaagcaca cctcctcccc agaacagtac 120
tgcagctatg atataacgcc tgggcagggt tcgcaatagc agccaggctg taatgtaagc 180
tgggaatttca atcaaggcag agaggaaaca gttcaggtag gcatctccat gtaaattagg 240
agcatccaga gacagagcaa agtaaccac tgagggtcagc atcctgaaag aagaaggtaa 300
aaatgacaaa gggatggtgt gaatcgccct aaaattttat gatgggtcaag aaattctcta 360
tatcttgctg tcttatnnat agccactacc ctcatgggt acttaaatat gaataaatta 420
aaattaaata agattacaaa ttcagttcct tagttacact agccacactt caagtgtcta 480
atagccacgt gtanttagtg gctactatat tgaacaacat agatatgaaa catttccgct 540
actgcagaaa gttctatngg acagtgctag tctagatata ccaatattca acaataactt 600
ttctcagcta gttgatttca agttttccta tttcctgaat agtttgtacc tcctcaatct 660
cttagagcta ttatatgaag aaaaaatatt agtcacatca 700
```

<210> 1754

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1754

```

gctactatat tgaacaacat agatatgaaa catttccgtc actgcagaaa gttctatnng 60
acagtgcctag tctagatata ccaatattca acaataactt ttctcagcta gttgatttca 120
agttttccta tttcctgaat agtttgtacc tcctcaatct cttagagcta ttatatgaag 180
aaaaaatatt agtcacatca gtgaacataa aatccagatt tcattcttta acaaaaaaga 240
gatacaaggg tcatactgtg ggattcactt agaataaatt ctgattnnnt ttagggaaaa 300
gagtgaatgt cccctaattc ttcaaagtat nacagnctgc agtntgtata ttnggtcatt 360
atagttaact tccatgtaga agcttctctg tgggccatgc gtggtgnctc atgcctgaaa 420
tcccagcact ttgggagacc gaggcaggca aatcacctga ggtcaggagt ttgagaccag 480
cctggccaac atggtgaaac cccgtctcta cttaaaagac aaaaattagc caggcatggg 540
gggtggcatgt gcctataatc ccagctactt gggaggctga gacaggagaa ttgcttgaac 600
ccaggaggcg aaggttgcag tgagctgaga tcgcaccatt gcactccagg ctgggtgaca 660
gagcgaaact ctatctcaaa aaaataaaaa cataaataaa 700

```

<210> 1755

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1755

```

cccgtctcta cttaaaagac aaaaattagc caggcatggg ggtggcatgt gcctataatc 60
ccagctactt gggaggctga gacaggagaa ttgcttgaac ccaggaggcg aaggttgcag 120
tgagctgaga tcgcaccatt gcactccagg ctgggtgaca gagcgaaact ctatctcaaa 180
aaaataaaaa cataaataaa aaaaagaagc ttctctgtgg aaaaataact atgtaactga 240
gtacccccat ttttctaaga gatagtttat tttctctctc tcttcttttc tctttcctcc 300
ttttctgcac tttctactta gctctttaga agtgcaatta tagcctttta acctcctctt 360
cactggacac tccctgcagg gcaaattcat ctaactatgt gcttagaagc tccagagtgg 420
aactctcacc gccagattt cctcaagcga tatcagtcaa tttccaactc aaagtatgcc 480
tgctagagtt tttggccacc tatacaacct gttctgccc atgaaggcac cacntcaact 540
gccagtaga taaggcagca agctagccnt ctgatccctc acctgctcgc gtccctccct 600
gccttttaga agtgctgct ttccgcttca aaaagaggag cggtggtacc cttcaggcag 660
gaagccgata ctttctccc taagctagct ttggaataaa 700

```

<210> 1756

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1756

```

tatacaacct gtttctgccc atgaaggcac cacntcaact gccagtaga taaggcagca 60
agctagccnt ctgatccctc acctgctcgc gtccctccct gccttttaga agtgctgct 120
ttccgcttca aaaagaggag cggtggtacc cttcaggcag gaagccgata ctttctccc 180
taagctagct ttggaataaa aagtcacttt ccttacatca gactttgctc ttgttaattg 240
gacgctgcaa gctgtgagtg actgaacctg agtttttggt acaactgcac tatgcagaca 300
cccctgtgta gaaatttgct tattattaac atgactgaga agcagaggat atctgaaaaa 360
tgacttcagg aacactagtg gatcttttta cacatactag acccaaatta gataatacaa 420
ggactaattc ataaacacaa caaataagta tgctcaaggg atcttagtga ttttccatt 480

```

```

tagtaatagg agtagtttag atagaactag tgactaatth tttatttagct tagtagcacc 540
actaccaag aacatttgca tcagggatat aggctgaaat gtaagaacta agaagcccat 600
gtacctagga cacacttgct taattcagac gcataagctc tgtcattgat ctcttctaata 660
tgccaagtag gatggccctt aaaaataaac ttagattagc 700

```

```

<210> 1757
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1757
atagaactag tgactaatth tttatttagct tagtagcacc actaccaag aacatttgca 60
tcagggatat aggctgaaat gtaagaacta agaagcccat gtacctagga cacacttgct 120
taattcagac gcataagctc tgtcattgat ctcttctaata tgccaagtag gatggccctt 180
aaaaataaac ttagattagc tgcagcctaa atctaccagt tctgacgatc atcgtgtgtg 240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg ctgccatcat agagtaggaa ttttcttttt 300
tccttttttt ttggcagata aattattaaa tctaattctat aaagccaatt cagtatttct 360
gcgcctgaaa gccacttggt agtttgctat tggcacgtgt aaaaagctga tcaaggctcc 420
aatccaggca atggggatct aggttattct agcctcagtg ttcaattgcc aggtcagctt 480
caggaagcag gagctgaatt agcatntctg cctcaggcaa cacggacatc attagtctta 540
atctcataat ttttggtggg gagggaaacca ttaccaggga acatcaatga tctcaatccc 600
ataacttttag gagggggaag ggaatgcttt ccctttgggt cccagtactg cagacttaaa 660
tactgtaccc tgtgactttt ttttttttag atggagtctt 700

```

```

<210> 1758
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1758
agcatntctg cctcaggcaa cacggacatc attagtctta atctcataat ttttggtggg 60
gagggaaacca ttaccaggga acatcaatga tctcaatccc ataacttttag gagggggaag 120
ggaatgcttt ccctttgggt cccagtactg cagacttaaa tactgtaccc tgtgactttt 180
tttttttttag atggagtctt gctctgctgc ccaggctgga gtacagtagt gcgatcaagg 240
ctcactggaa cctccacctc ctgggttcaa gtgattctcc tgccctcagcc tccaagtag 300
ctgggattac aggtatgtgc caccatgacc caggtaattt ttgtattttt agtagagacg 360
gggtttcacc atgttggtta gattcgtctc gaactcctga cctcagggtga tctgcccacc 420
ttggcctccc aaagtgctgg aattacaggc gtaagccatt gcgcccagtg acatttttca 480
atatctagtc ccatgaactg aatagaggca tttcaaaaata atttagaatt ttataatctt 540
aatttttctt caggaaaacc cagtcgttgt cataatgttc ctctgagtta agaaaatcag 600
ttgcatactt atgtgctgga tatctgcatt tccaggtcac ttattactta ccatagcagc 660
aaagacataa tggtcattat ggcaatattc cgagtcctga 700

```

```

<210> 1759
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1759

```

```

aatagaggca tttcaaaata atttagaatt ttataatcct aatttttcct caggaaaacc 60
cagtcggttg cataatgttc ctctgagtta agaaaatcag ttgcatactt atgtgctgga 120
tatctgcatt tccaggtcac ttattactta ccatagcagc aaagacataa tggtcattat 180
ggcaatattc cgagtcctga acagggtccag aatgaaaagc ttctgctgct tcagggggatt 240
tagctcctgt aaccaaata atgcaaataa ccatgagatt aagaggtagt aaggaagtat 300
ctttggctat gatgcatggg gaaaacttat gcatgcaact cccacttcac cttgactatg 360
cttagaagtc tggtgattgg aggcaatagg gcatctacat atatgacact tactctgaca 420
ctttaaaatg tttgtagtcc attttacaca gaagcctttt aaatatataa caccctcttc 480
cctgtctcgt tagacaaagc ctggttgcta acatagcctt tctctgactg acagtcagag 540
aatggatgtc atttaccaca ctgatctgtg atcctcagga ctgcctattg aagggtaggg 600
ccatgtagtc ctttccttga ggccacgtct gctttttaca cttctctgtt tatttgtttg 660
ttttttttag atggagtcta gctctgtggc ccaggctgga 700

```

<210> 1760

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1760

```

ctggttgcta acatagcctt tctctgactg acagtcagag aatggatgtc atttaccaca 60
ctgatctgtg atcctcagga ctgcctattg aagggtaggg ccatgtagtc ctttccttga 120
ggccacgtct gctttttaca cttctctgtt tatttgtttg ttttttttag atggagtcta 180
gctctgtggc ccaggctgga gtgcagtggg gtgatctcag ctactgcaa cctccacctc 240
ccaggttcaa gcgattctcc tgcctctcag cctcctgagt agctgggatt acaggcgagc 300
accaccgcat ctggctaatt tttgcatttt ttgtagagac tgggtttcac catgttggcc 360
aggttgggtc caaactcctg gcctcaagca gtctgcccac tttggcctcc caaagtgtcg 420
ggattaccca gccttgcttt ttacacttct cttggtttag tcatttagca tcagaacaga 480
cttcagttta ctggcgggccc ttgggcaagt aacgatcctc tctgaacttc agcttactgc 540
tatataaaat gggatatatta attgggagtt gagagattaa atgagatcat atatataatg 600
cttagcacag tgcttgaacc atggtaaatg tccagtaaat ttaaactatt attattatta 660
ctgtatcatt gaggaaaaga ggctagccat cagcgggtcag 700

```

<210> 1761

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1761

```

ttgggcaagt aacgatcctc tctgaacttc agcttactgc tatataaaat gggatatatta 60
attgggagtt gagagattaa atgagatcat atatataatg cttagcacag tgcttgaacc 120
atggtaaatg tccagtaaat ttaaactatt attattatta ctgtatcatt gaggaaaaga 180
ggctagccat cagcgggtcag tgacaaatcc ttactgctat caatggggtt atactctttt 240
acttttattt atattttatt tcttggttgg tttttgagag ggagtttcan tcttggtgcc 300
caggctggag tacagtggcg cgatctcagc tcaactgcaa ntccgcctcc caggttcaag 360
caattccctt gcctcagcct cctgagtagc tgggattaca ggcacctgcc accacacctg 420
gctaattttt gtatttttag tagagatggg gtttcgccat attggccagg ctggtctcaa 480
actcctgact tcagggtgat catccacctc agcttcccaa agtgcctggg ttacagggtg 540
gagccactgc gcccgcccta ttcttttggc ttttaatttg tgatattaac ttgctatgag 600
ttatgaatca aggttaaccaa gctgattaga attgaaacta acataaaaagt tattaggctc 660
tgagggtggg aatctctcag ggatgaagta ccaggacttt 700

```

<210> 1762

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1762

```

catccacctc agcttcccaa agtgctggga ttacaggtgt gagccactgc gcccggccta 60
ttcttttgct ttttaatttg tgatattaac ttgctatgag ttatgaatca aggtaaccaa 120
gctgattaga attgaaacta acataaaagt tattaggctc tgagggtggg aatctctcag 180
ggatgaagta ccaggacttt gtgactttgt ggccctacag tgcattgcga gtaagagact 240
gatggaggag tttttattat gaagaagtgg gagggccagg cctgccttca cagcagggtcc 300
tctccaaatg tgagtgtcct tttttctagg aatgatcaga cacttacaca gctcacagcc 360
acattgcctt ttctctcttg cactatttgg attgtagagc cccagaacat gccccagca 420
gaataaccct ggtattataa caaagcaaag ccactgcata aactagtggg aaccagacat 480
cttcttggag ggttccaagg gtggtgcaca cagacaggac ctgtggacca gtcctgtgct 540
aatacttggg ggttccacgg ggcccttctt aaatgcaggg tgccagggtc ctccctgggc 600
ttgcctactt cgactctttt aaacagaggc ctgagaatct gtattcttaa agcacttggg 660
tgatttgtat gagcagccag gattggaaac ctccagaaca 700

```

<210> 1763

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1763

```

gtggtgcaca cagacaggac ctgtggacca gtcctgtgct aatacttggg ggttccacgg 60
ggcccttctt aaatgcaggg tgccagggtc ctccctgggc ttgcctactt cgactctttt 120
aaacagaggc ctgagaatct gtattcttaa agcacttggg tgatttgtat gagcagccag 180
gattggaaac ctccagaaca gaatatgctt gtatccagtg gttgtccctg gcctgggtgg 240
agccaccaa atgtcttttg atcagggtacc agaagcaggg tgaagggtgct tcttctgaag 300
ccaaggatgc ttgagattgc tttctaagac aatactctac tctatatctt ttccatcca 360
agttaatgct actgcctgta acatgaagtg aaaaatcaca gttgttaaga gcatgtactt 420
tggtgcctgg gagaactagg tcacaaatcc cagtttaaca tctgtgtgat cctgggcaag 480
ttacttaact tcgctgtgcc ttagtttctt tttttgaaaa aaaaaaaaag catgagcaat 540
gagcagaaca cagtgcctgg catttggtag gctcttcaat atcattctaa ataggggtgca 600
tttgctggca cagggctctg cagatcctcc taaagaggat cctacggggag gtgagcaggg 660
gagatgacca ggcctcagga aagcgcaagc cccctttccc 700

```

<210> 1764

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1764

```

ttagtttctt tttttgaaaa aaaaaaaaag catgagcaat gagcagaaca cagtgcctgg 60
catttggtag gctcttcaat atcattctaa ataggggtgca tttgctggca cagggctctg 120
cagatcctcc taaagaggat cctacgggag gtgagcaggg gagatgacca ggcctcagga 180
aagcgcaagc cccctttccc ttaatgggtt tgtccagttc aggctagatg tgcattatgg 240
caggaagaaa gaaggcactg tcaggctgag aatgatggct cacatctgta atcctagcat 300
tatgggaggc tgaggtagga ggattgcttg agcccaggag tttgagacca gcctgggcaa 360
catagtgaac ccctgtctct acaaaaaaaa atacaaaatg ttagctgggt ttggtggcaa 420
gtgcctgtag tcccagcttg ggagggttag gtgggaggat tgcttgagcc cagaagggtc 480
aggctcaggg tacattgagc tgtaattgta ccactgcact ctagcctgag caaacagtg 540
agactcaaaa tttttttaa gtgtgtgtgt gtatatatat atatatatat atatatatat 600
acacatacac acatatatat acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt 660
gtgtgtatat atatatatat aaaggcactg ccagaacct 700

```

<210> 1765

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1765

```

tgtaattgta ccactgcact ctagcctgag caaaacagtg agactcaaaa tttttttaaa 60
gtgtgtgtgt gtatatatat atatatatat atatatatat acacatacac acatatatat 120
acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtatat atatatatat 180
aaaggcactg ccagaaccat gtgttttaac actgaactat attcttattt gtccataact 240
atatatctca tatctatttt atgattgctg tcatccacat aggtagatcc ctacaactag 300
actctaagtt tcacagatag gaatcaggcc acctagctga taaataccga taaacacccc 360
agcacagccc tgaagggcag aagtgttaga cactcccaat gttgttgttg ttgttgttgt 420
tgttgtttta tccattttaa ttgactgaga cttgaaatgg acttcttgat ttgaagggca 480
aaggattaag ggatgttttg tcctggcagc cctctgagag cttgagttca tggccagtct 540
aagcctctag ccatagccag agtatctgct tctggaaaag gtcctgaagg ccagggactg 600
gggaagccgt gggggtgagc agtggcatgc ccaccgtcct ctacagagtt ctgctttctg 660
tactacatgc tttggtgcag ggcattgtata atgttactga 700

```

<210> 1766

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1766

```

tcctggcagc cctctgagag cttgagttca tggccagtct aagcctctag ccatagccag 60
agtatctgct tctggaaaag gtcctgaagg ccagggactg gggaagccgt gggggtgagc 120
agtggcatgc ccaccgtcct ctacagagtt ctgctttctg tactacatgc tttggtgcag 180
ggcatgtata atgttactga agccaccaca gtctttttta ggtgtcctga gcagactcct 240
acctatctcc tagacaggaa tgccctgccc catcctctcc actcatttaa gtgagtcctg 300
ctgtcctccc tggcttggac ctgcctccag ccatgggcca ccctgctatc tttctctgta 360
ttgctggcac acagtgtctc tacttggata cttaccattt cctcccttat gccattcttt 420
atctttttat ctaatcctct tgccaatctt agttacattc tatgttcctt tagaatttgg 480
gctgtgtctt ttcttatttc ctctaggagc cagcacaggg catggcacac tgcataatcct 540
cacgaactgt caggaggtgt ggctgcttcc acagaatatc agcttttcct tgtggccacc 600
agctttcaag ggtgaatcct caagcctgtg ctttcaggcc ttaaggttct agacatgaca 660
cagagtgaga ctaaagacat gcatagcttc ctcagcagtc 700

```

<210> 1767

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1767

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ctctaggagc cagcacaggg catggcacac tgcataatcct cacgaactgt caggaggtgt 60
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caagcctgtg ctttcaggcc ttaaggttct agacatgaca cagagtgaga ctaaagacat 180
gcatagcttc ctcagcagtc tgtggtaaga ttcagggtac agtggagAAC ccagggtgga 240
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tgtgtcagtg gtttggagca atgccaatag aaagttagtg ataaacttgc aaaataaagc 360
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aattcttata aacagccctt taagggtgat tttatcttag aatttaataca tgattgtgtt 480
cctaaggcct agtgcaatgc ctggtacata gtgggcactt aacaaatatt gaattaagtt 540
aaattccata aaatcaagaa tgcataagct atctcaagag gaaacatctg caaatgctta 600
cctccacaga atcaaatatc actgctggta cagctatggt gttcattttt gcagcttttt 660
ggatgatatc ttcagcctct ctaaactctt tctgggatat 700

```

<210> 1768

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1768

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ctggtacata gtgggcactt aacaaatatt gaattaagtt aaattccata aaatcaagaa 60

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tgcatagctg atctcaagag gaaacatctg caaatgctta cctccacaga atcaaatatc 120
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ctaaatcttc tctgggatat cagccatcgg ggagattcag gaatgaacct ataatttatt 240
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ccaaatagtt ttaattttgt aaaattctag tttgtctttt taaagggagt ccacataaga 360
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tataagaccg atcatcagtt gtgcttgaga ccaggaccag accataaggg gtgacattaa 480
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gctcataaaa gaaacatagc tactagacta taagttcccc tagagaagag actgtctttg 600
cagtgggtcc atcctaagga gaattgctgg tgtcccagct ggtgatgttc acagtttatt 660
gggaaaagga tggccagggc acctgtgttc ttgatcgttt 700

```

<210> 1769

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1769

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gggctctgga gaagttcatc caaaacttat aggtagtgtg gctcataaaa gaaacatagc 60
tactagacta taagttcccc tagagaagag actgtctttg cagtgggtcc atcctaagga 120
gaattgctgg tgtcccagct ggtgatgttc acagtttatt gggaaaagga tggccagggc 180
acctgtgttc ttgatcgttt ccttttagtca aaagagaaag tgagggcact gacacccgcc 240
tgtgtggggc ccccatggct ttcaacagat tcccagatca gcgagtgcc aaaccagctt 300
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attacatagt ctattcccat ttatagctga tgctcaaaca cagttgcaaa taatagggct 420
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tttctactat aggagaaaaa tgatatgcat tgagttagaa ccttactttg agtgctcata 600
catacagcca ttctgttggt cactttcagt acagtattta ataaattaca tgaaatattc 660
aacacttaat tataaaatag gttttgtgtt agaaaatttt 700

```

<210> 1770

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1770

```

tacagatggg ccctaactta tgatgggttc acttatgatt tttctactat aggagaaaaa 60
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cactttcagt acagtattta ataaattaca tgaaatattc aacacttaat tataaaatag 180
gttttgtgtt agaaaatttt gcccaattgt aggctaattg aagtgttctg agcatgttta 240
aggtaggtca ggctgagcta tgatatattg tagggatgca gggcaggcaa gctccagagt 300
gggttttggc ccatgagggg tcttggtctt gcccaggaaa gaattcaagg gcaaactgga 360
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agcagggtcg cccacagggc agagagtagc agctcaggac agttttgcac tcatatttat 480
aactactttt aattacatgt agatgaaagg tcagtttatg cagaaatttc tagggaaagg 540
gtagtaattt ttgggtcatt gggtcattgc catggaaagg ggcaataaag cctgagtgtt 600
gtcatggcaa cagtaaaactg acatggcaca cgggtgggag tgtcttatgg aaagcgtctt 660
ctgccctggc tgtgttttag ctggtcctca atttggtcca 700

```

<210> 1771

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1771

```

agatgaaagg tcagtttatg cagaaatttc tagggaaagg gtagtaattt ttgggtcatt 60
gggtcattgc catggaaagg ggcaataaag cctgagtgtt gtcatggcaa cagtaaaactg 120
acatggcaca cgggtgggag tgtcttatgg aaagcgtctt ctgccctggc tgtgttttag 180

```

```

ctggtcctca atttgggtcca gtgtccaagc cctgcctctg gagtcgtgtc tggcctccta 240
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tgtaacccca ttataagtca aagagcatct gtacttactt agcctagaca acaaattata 360
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cagagcaaaa caaatgacca accagcaggt cccctctcca gcttaatagc acatgagttg 480
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caataatggt aggtcactga ctctcagtaa ttagaactgt gctgtccgat agaaacttct 600
gaaatgttct gtatctgtac taagacagca cccactaacc acatgtagct attgagctag 660
tgtgattgaa gaaatgaaaa ttcaatttta tttactttta 700

```

<210> 1772

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1772

```

tttttcagaa tatgccttta gtgggtccct ataggaacta caataatggt aggtcactga 60
ctctcagtaa ttagaactgt gctgtccgat agaaacttct gaaatgttct gtatctgtac 120
taagacagca cccactaacc acatgtagct attgagctag tgtgattgaa gaaatgaaaa 180
ttcaatttta tttactttta attaatatta acttaaatag ctgcatgtgg ctggtggcta 240
ctatattagt gcagaattag agatcttact acacagccac gatataacct atggatgggg 300
ccagtatcct tctccaacca gattatgctt agaaatatcc tacctttttt tctacagacc 360
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atctatggcc tgcttcctta ccccatcccc accgcctata cacatactcc attcacacct 480
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accagcagtg cctctatgta gggttacctc ccatttctag cccactgtac tcagggccac 600
tggtatctct agttttgaat tgctttgatt ttttttgggt gcacataatc tcaaacttag 660
ctgatcattt caaaagtcaa tggagtgcga aatgaggtag 700

```

<210> 1773

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1773

```

cttttaagg aaacttggga cataaaaagt cccccaacc accagcagtg cctctatgta 60
ggtttacctc caatttctag cccactgtac tcagggccac tggatatctc agttttgaat 120
tgctttgatt ttttttgggt gcacataatc tcaaactctag ctgatcattt caaaagtcaa 180
tggagtgcga aatgaggtag cacactataa tctctctgta gattgaattc agactaaaca 240
gcagtggagt gttgctggag agcttgtctc atactgagca ggcggcaggg tccatgtcag 300
ctctaagcat ccctccatac cccaaccact agactgatga gcatcccttt gggaagacct 360
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cactggtaaa tggtcagggg gagcactcag cttgtcagtg ctggtcccag gctggcctct 480
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atggaccttc tctgctggaa actctggagg ctgactctgg agggctaata gatcagagct 660
gttcgttcct cgctgtgaca tatgggtccg aggcaaagat 700

```

<210> 1774

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1774

```

ctggtacagt atgccacag ccaggagcat tcatggacca gtcctgggg aatagaagaa 60
aaagctctcc ttagggcaca gtgagcaggc tccctgtggg atggaccttc tctgctggaa 120
actctggagg ctgactctgg agggctaata gatcagagct gttcgttcct cgctgtgaca 180
tatggtcccg aggcaaagat cccatcccta ctaatctctg tacagcccat cagaggcttt 240
atattgttat tctctctctc tctttctctc tgatagaatc ataccttaac cagattgatt 300

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ataacttttt	ttttgagaca	gcattctcatt	ctatctgggc	tggagtgcag	tggcatgatc	360
atatagcgca	ctgtaatctt	gaactcccag	gctcaaggga	ccctcccacc	tctgcctcct	420
aagtagctgg	gactacaggg	gctcaccact	gcacccagct	aattttttat	tttttagtaca	480
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caccttggcc	tcccaaagtg	ctgggattac	aggtgtgaat	caccatacct	ggctaattat	600
aacattttga	aagtactggg	ctcttaggtc	aaaatgacaa	ctagagccag	agaacatagt	660
ttattaaaac	cattcagctg	aagaggcaga	aaagaacctt			700

<210> 1775

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1775

cccaggctgg	ttttgaactg	ctgggctaaa	gtgatcctcc	caccttggcc	tcccaaagtg	60
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ctcttaggtc	aaaatgacaa	ctagagccag	agaacatagt	ttattaaaac	cattcagctg	180
aagaggcaga	aaagaacctt	tgaataatct	tgtcatgtgt	cttgagagaa	ccttagtcac	240
taacatcttt	tccaataaat	tcagctagca	aggaggttgt	ggagagaagg	acagatgatg	300
atgatgataa	ttactctcat	tcagaaaatt	gctctgctct	tgtaagtctg	ggatgctttc	360
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ttcccgggtc	tcagacaggg	ttccagagga	atgttgcaaa	tcagaataat	acataacctt	480
taacaaactg	tcaactcccc	ctgcacactt	catgccaata	atttactacta	gtaaatcaca	540
gcactcttac	aggtcatgag	aatacagggg	cttagagtga	gcccacctga	cctgcgctat	600
ctcgtcagac	aggtggcctg	cctgtcaacc	tctatgactg	cctaacagct	gcagtaagat	660
aaaggcctag	acagcttccc	agtcaggagg	tatccaaagg			700

<210> 1776

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1776

ctgcacactt	catgccaaata	atttactacta	gtaaatcaca	gcactcttac	aggtcatgag	60
aatacagggg	cttagagtga	gcccacctga	cctgcgctat	ctcgtcagac	aggtggcctg	120
cctgtcaacc	tctatgactg	cctaacagct	gcagtaagat	aaaggcctag	acagcttccc	180
agtcaggagg	tatccaaagg	acagggcaac	catgaggtct	agtctaaatt	gtgagttcca	240
aaaaaatggc	aaagaagctt	gtgttatgtg	taagcaggta	gaagtatatg	agttcgggtg	300
aaccagtcag	tgtctggaaga	tttgactttg	atataatgaa	atcaaacaaa	gaagaattaa	360
tgagagagaa	agagaatgag	agagagacag	aaccagaccc	accaatggaa	ggaatctcct	420
tttctcttgc	ttaaataatga	aaaagcaaa	gaacaggaaa	tctccaaaaa	gagggtatgt	480
ctgacacctt	gttctatgat	ttttaattta	ttctttcacc	tgaaatcccc	cagatagtca	540
tattgggcaa	gactgaggcc	agaatcttca	aactttgtta	ttcctataac	tggtgtgtta	600
aaactgagtt	gggagggtgt	gggaggagag	aagaggacat	ttctctaaca	atttattaaa	660
taaaaagtaa	ttttctcact	cttcgagaca	tagcagataa			700

<210> 1777

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1777

ttttaattta	ttctttcacc	tgaaatcccc	cagatagtca	tattgggcaa	gactgaggcc	60
agaatcttca	aactttgtta	ttcctataac	tggtgtgtta	aaactgagtt	gggaggttgt	120
gggaggagag	aagaggacat	ttctctaaca	atttattaaa	taaaaagtaa	ttttctcact	180
cttcgagaca	tagcagataa	ataggcacac	tatcatagtg	ctaataaata	ggcttccctt	240
tcatagatgc	taatcgttat	atgataggga	agcttgaaga	attacattag	ttggatagag	300
tgagattttt	ctagagagag	aaaagtgatg	aaagagcagg	gggcagagtt	aaaaacaaca	360
aatccaaca	ccaccagctc	cacaaataac	aagtagcaac	agacaggagt	ggctgggtatc	420

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aaggaagaga ttggaatcct gagaatgtgc tttttaggac aatggagact caaactccag 480
cacacaggcc caccacaat gaggcaaaaa ctctcccggc ttggaagctg gcctccgcga 540
gttccgtgga ggtcatgcaa gcccaggcta ggtcagcatc aggctccagg tgtgttccag 600
gtgtgctgac ccgcagcaga gggcctgtct ggggacgagt cacactcacc accacagcgg 660
gacacacagc actcccggca ccgtcagcgc cagcagcagc              700

```

<210> 1778

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1778

```

gaggcaaaaa ctctcccggc ttggaagctg gcctccgcga gttccgtgga ggtcatgcaa 60
gcccaggcta ggtcagcatc aggctccagg tgtgttccag gtgtgctgac ccgcagcaga 120
gggcctgtct ggggacgagt cacactcacc accacagcgg gacacacagc actcccggca 180
ccgtcagcgc cagcagcagc atccgccagt ctctgatgaa gtaagcaaac agtggcagca 240
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ctttaatat tgccttttat atcattatgt ggcagttaga gttcaaaacta tcaccactta 420
gaaaagggga aaggcatttg cctcatggcc cagagcaggc atggtcaggg tagagggaagg 480
tgggacgtga tccaagactt ggcaacttat agaaggttga atttctatga gattttaatg 540
gagccataga tttattttatt tttttttaat taatttatta ttattattat tttttttgag 600
acaaagtctc cctctgttgc ccgggctgca gtgcagtggc gtgatctcag ctcattgcaa 660
cctctgcctc ccaagctcaa gtgaccttcc cacttcagcc              700

```

<210> 1779

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1779

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ggcaacttat agaaggttga atttctatga gattttaatg gagccataga tttattttatt 60
tatttttaat taatttatta ttattattat tatttttgag acaaagtctc cctctgttgc 120
ccgggctgca gtgcagtggc gtgatctcag ctcatgcaa cctctgcctc ccaagctcaa 180
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ggctaatttt tgtattttta gtagagacag agtttcgcca tgttggccag gctggtcttg 300
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tgagccaccg cgccctggcca acttatttta aggccattcc atgtcataaa aatatcatgc 420
ccagcccaa gagctaatac cttctgagaa tgccacattt ccaaaataag agccccaaca 480
tgagaagcag agagagcatt tcaggagaca agcagtggct cttctgaggg gccatgtggg 540
gtcaaggtgt gtgtagcctt tccaacagtt ctgaactgta aataaacaga cattggccca 600
tcaggaagca gtggagagtt catcatttcc aagacctcag ggcacactta cccatgcctg 660
agccctgaga aatcagttgg agtgagctgg ctctggaggt              700

```

<210> 1780

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1780

```

tcaggagaca agcagtggct cttctgaggg gccatgtggg gtcaaggtgt gtgtagcctt 60
tccaacagtt ctgaactgta aataaacaga cattggccca tcaggaagca gtggagagtt 120
catcatttcc aagacctcag ggcacactta cccatgcctg agccctgaga aatcagttgg 180
agtgaagctg ctctggaggt acacagacag gccttcctgc agcatgctgt gccagagat 240
cagcccaggc agacacagtc cacagtccat ttggaccaag gaaagaaaag caggcgctgt 300
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ggacatgcag gcgactattg gcctctgctc tgctcagtgc cacagtgagc agagatggca 480
ccagatggga gtccaagaac aaagctcctt ctcttgctac ggagctctgg gccctttcca 540

```

```

cagagtctgc ccttggttca ctacacctgg ggcggagatg tgaccaatgg caatggctct 600
gccttttgtt ggggatctgc ccatgctata gagaagtggc ctggaagata caaacagat 660
aattcaaagg tcattcatgc ttgcctttta agagagattt 700

```

```

<210> 1781
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1781
aaagctcctt ctcttgtcac ggagctctgg gccctttcca cagagtctgc ccttggttca 60
ctacacctgg ggcggagatg tgaccaatgg caatggctct gccttttgtt ggggatctgc 120
ccatgctata gagaagtggc ctggaagata caaacagat aattcaaagg tcattcatgc 180
ttgcctttta agagagattt tctcagtcac gtttatatgc cctaggcaca ggctaaggga 240
ttaagagcta attccagaga agcagcaaaa ttactatgtt ggctgggttc tcattttacc 300
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gcctcagtgg gtccctctca agaggccatt taaaaacctg gactgataga aacagccagt 420
actttgtgcc tccatgcacc catgttggag acaattgccc taaccacca gagcattgct 480
cagcctataa acccatctcc aaggataggg cctgacttct ttgaggatca tgagtatgat 540
ttccaggtct tttctgacct cattaatgac cttcctgcta tgactgggtt tctaaacccc 600
ttggccgtga ttgtgatgtg gaaataaata gaaggtgctt tattcttaag cagagattca 660
gtggcagagg gtttgatttt ggaaaagaga aagggcgag 700

```

```

<210> 1782
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1782
aaggataggg cctgacttct ttgaggatca tgagtatgat ttccaggtct tttctgacct 60
cattaatgac cttcctgcta tgactgggtt tctaaacccc ttggccgtga ttgtgatgtg 120
gaaataaata gaaggtgctt tattcttaag cagagattca gtggcagagg gtttgatttt 180
ggaaaagaga aagggcgag gatcaagtga gaatcttgta gaattgtgag gccagaggag 240
ctttctccta cttcatgac cttgttaaga aaagagaagt tatactactg gggtccctgga 300
taatctccct ctctaagcat gggctcaga ccagaacagt tatataactt tgcagagtgc 360
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gtacaaattg aaataattcc tttttagtcc tactttctgc tctcttttag gcagtcaccc 480
ttccttaaac aggatcacca tcttcacagc tagcattttt ttgagtaggt actttgagac 540
aggttccagg ctaagtgttt acatatatta tctctttgac ctttcacacc agttatataa 600
aaactaatat tccaggccag gcacggtggc ttatgcctgt aatcccagca ctagggaagc 660
caaggcaggc agatcacctg aggtcaggag ttgagacca 700

```

```

<210> 1783
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1783
tcttcacagc tagcattttt ttgagtaggt actttgagac aggttccagg ctaagtgttt 60
acatatatta tctctttgac cttcacacc agttatataa aaactaatat tccaggccag 120
gcacggtggc ttatgcctgt aatcccagca ctagggaagc caaggcaggc agatcacctg 180
aggtcaggag tttgagacca gcctgaccaa tatgatgaaa cctgtctcta ctaagaatac 240
aaaaattagc caggcatggg ggaggcacc tgtaatccca cctattcggg aggctgagac 300
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ctccagactg ggcaacaaga gcgaaactcc atctcaaaaa aaaacaaaaa ctaaaacaaa 420
agctaataat ctcctactt tacacataat tagctgagac ttcagagtta aagccaattg 480
cttaaatca tgcacataat aagtgggtgca ccaggattta agccttattt gctctatgga 540
tactggctca cttccaaga aaaaaattac tgggggcatg acttggcctt ataaagcagt 600
tcttcaactg agagtcagat agagacatga ggggagatgg gtaaggccat atcctgctgt 660

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cattttttaca gttttttcttt ttttttctttt tttttttttt 700

<210> 1784

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1784

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aagtgggtgca ccaggattta agccttattt gctctatgga tactgggtcta ccttccaaga 60
aaaaaattac tgggggcatg acttggcctt ataaagcagt tcttcaactg agagtccagt 120
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gcagtgactc ctgctgtgct gacgggggat ccctgtcctg gccccctatg ctctatctgc 660
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<210> 1785

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1785

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<210> 1786

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1786

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tgccataggag ggtgtctggc atgtggcagg tgctcagtaa tagttattct ttatcctgat 240
caagcagttg aaatgtgcta catgtcaggg gagtgatgga aagtacaatg cttttgatcc 300
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tatacccgag aatatgtgcc ccactccctt gacccatgtc cccatgtcca cagtgcacagc 480
tgcataggct gcagaggcac aaccaggcag tgagctcctt gtgaatagac aggagtaagt 540
tcttgctctt ccctgggtct ccccagttct tccctcttac ggtgcaatgc aaataaggta 600
tgccagcaaa tttctgcata atgtttacgt atttatatgc cagctcatcc cttggagatt 660
ttgaggcaac ttcaaattta aatacaataa aataatggta 700
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<210> 1787
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1787
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 atgtttacgt atttatatgc cagctcatcc cttggagatt ttgaggcaac ttcaaattta 180
 aatacaataa aataatggta acattaaagt aagatataaa gaaaagtaaa aagttgtgcc 240
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 attaaaaaca tatatccaca aaaatactta ttctccaatg ttcatagcat tattcataac 420
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 ggaaatccat taaaggcaga aagtaaatta gtggttgcca ggggcgaggg gaagagggaa 660
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<210> 1788
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1788
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 aagtaaatta gtggttgcca ggggcgaggg gaagagggaa atgactgcta attcgtatag 180
 ggtttctttt cagggatgatg aggagttaga tagtggtgat ggctgtacaa ctttgtgaat 240
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 ctctctttct tgccttccct ctttctgagc acttgccagc aggaagacc atgtgaggac 480
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 ctggcacttt gatcttggac ttctaccctc cacaactgtg gaaaataaat tttggttgtt 600
 taaaccacc agcctatagg attttgttac ggcacccctaa acaggcgaag acaaaattat 660
 atttcaactg ttcaatttaa aaacagtaaa aaatatatat 700

<210> 1789
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1789
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 attttgttac ggcacccctaa acaggcgaag acaaaattat atttcaactg ttcaatttaa 180
 aaacagtaaa aaatatatat atatgtggct ggtaaaagct gcatcattga ttagttaa 240
 tttcaaattt gcctgagctt cctggtagcc agagttgtaa aggaagatgc catcacttac 300
 acacctatca aaaggaggaa cctctagaca tcagagggaag caaagcttta aatggttcag 360
 catgcccataa gaaatgtcac atggagggtg atgttagaag tactgaaaaa tactgaatta 420
 atgaatcagt caagagtttt ttctgtgtta ttaatacag aaacactttt tgtgtttaag 480
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 aggtggaggg cattatttct gggcaacagt aggagattgt gaggggagct ggaacgtggg 600
 tagggttagt gtccttggct ccgagtggct atttctctct aaaccagcat cattccggca 660
 acaccatcac ttccaggcat gtctgcttta tgctgtgtag 700

<210> 1790
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1790

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gagaggatac tgatggcatt ctaccagaa ggctattgac aggtggaggg cattatttct 60
gggcaacagt aggagattgt gaggggagct ggaacgtggg tagggttagt gtccttggtc 120
ccgagtggtc atttcctcct aaaccagcat cattccggca acaccatcac ttccaggcat 180
gtctgcttta tgctgtgtag ggtagcactg ttctttcttt ctcttttcta gtctgctacg 240
actgtggcag ccttgatcat tttttaaaag cagcacaaaa caaggactca tttctgcact 300
actttgacag tgggagtaat ttggcttccc aagttaatgt gaaattatca tgcagagctt 360
tgccaaccct tccttagggc cagaggggtg aagcgaaggc acctaccaa ctcctcagcc 420
cagaccacac cctttgggtt attttagtca aatacaacct ggaattcagc tattttatcc 480
cagaaacacc agagagcact gctgcactgt agggaagcta gcagccacct tgcctttgta 540
ctgtgtcccc caaccccagg tgctgactgg ggcgtccagc cattccagag caggctggtt 600
ttcagggaca cttaaacttt cagacctgag aaccaacac aacgagtctc ataccaggat 660
acaaaagcca gtaatttcct gcagagcaca atggagtaaa 700
```

<210> 1791
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1791

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cagacctgag aaccaacac aacgagtctc ataccaggat acaaaagcca gtaatttcct 180
gcagagcaca atggagtaaa actaccatga agaggctccc agagcaccct ataacaggcc 240
tggccccagg ctgatagcaa gccctgagag gccctggatcc cagctgatag cgaggctgct 300
gcaccccagg tcttacctac tgactggctg gcttgactga tcttccatgg ccttactttc 360
cccttgcccc tcttaccctt cttcaccttg catgtgggac cacatgctgc atgggaactg 420
ggaggagagt agatgatagt gtcagagccg gcgggggagg gcagcccttt cctgtaggaa 480
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atcacctgtg gccactaaaa aggcagatct cagtgtgtcc cattctatag aaccggggat 600
gccaccacct ggcacaagtc ccaccttgtt cccattccca cggagagagc ttctctggct 660
tcaccgtgac tctctaccct tctgttccag atggtccttc 700
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<210> 1792
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1792

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gcctcacccg ctcacacagg ggaggcttgg aggtccaga atcacctgt gccactaaaa 60
aggcagatct cagtgtgtcc cattctatag aaccggggat gccaccacct ggcacaagtc 120
ccaccttgtt cccattccca cggagagagc ttctctggct tcaccgtgac tctctaccct 180
tctgttccag atggtccttc aggtcctcct gggatatggg cctgctgggc agagtccctc 240
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gaagacaata ggctttgcct tgtgttcttg gagccactgg ggactaggag gttgcaattt 420
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cagcatgttc ttcccactt gtctcctccc ttctccctc tgcagacact gaggctgagc 660
ccatggcacg gggctcttcg caaataatta aaggagtaga 700
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<210> 1793
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1793

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agaaaatctt gccccgctcc ttccccctgc aggaagggga gcagcctcct cccgctgggg 60
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caaataatta aaggagtaga gttggaatat ttccatcctg gcaacttgac agaagggtgta 240
cacaccatca attaagacag tgcagcatct ccaaagccaa cgagtccttc agactcttaa 300
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caggaaaagc tgctgagggc cccagggacc tcttcatgac cttgtaactg atgagtcttc 660
ctcatgcagc ctgacaggag atggggctat cagtgtgggg 700

```

<210> 1794

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1794

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gcttctctca tttgcccatt cgctgggctc aagagaacac actctctcac tctgtggat 60
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cccagggacc tcttcatgac cttgtaactg atgagtcttc ctcatgcagc ctgacaggag 180
atggggctat cagtgtgggg aggcttgctc tgtgcttagc tgataggctc tggggtgggc 240
tctaactcag ggtgaggcca gataggccca gtgatggcgg gctggcactg aactccccct 300
gtctgacatg agcctcccca cctgtgtact ggccacagtg actaccctaa gtctcttcac 360
aagcaaccag gaagaagtct caagcctaca caactcagat caaagacatc ctgaggtgc 420
ccttccccta aactgtcctc ctctgtgcct ctcttaagcc ctgtgctcca gagaatgtgt 480
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ggctcagcac agaggtgggt ccttgcgagt gcctgccctg cccctgactt gctccaagag 600
ctgtggctac ggctccctcc caagacacat atatccaaag gctttggaag cacagcccaa 660
tggcccaatg atttcctctt tctgggcctt tcagagggtt 700

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<210> 1795

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1795

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ttcttaatgg ctctgtctct tcttctccac cacatttcag ggctcagcac agaggtggct 60
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tgaacatctc ccagctgatg gagaaaatct gcaggaagct gaagccagtc tgtacagcca 360
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ggagacacca tgtctcaaaa gcatggagca gtgtacgcaa ggaccttggtg gaaatatgct 660
ctttagaagg agccacagat agatgctacc agcacatttc 700

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<210> 1796

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1796

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atagaatgga	gcacaggtgt	gagcagaaca	gcctttcccg	ccccattttc	caaactcatg	600
tctctggctg	ttggcttggg	ctgggaggct	ttccccagca	ttgccattta	gtacccccac	660
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<210> 1797

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1797

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ctgggaggct	ttcccagca	ttgccattta	gtacccccac	cttcctgcac	tggtcaccca	180
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gtccaagcca	cagcagcagt	gtgtgcacag	ttggggctca	ctgtctggct	gctggctgtt	360
tgcagacaga	tcctgtgcca	tccaccacct	cccctgaggt	ggtggtggag	cagggagggc	420
agtgggtgatg	gcagcgtcat	gttttgtcaa	ggagtctgtg	gtatgaggac	cccactttcc	480
agtgggggtca	gtggccccctc	cccaccactg	gccaaagccc	tgggagcatg	aggctgggag	540
aatggaacaa	aagtgtgtcc	aggtgaaggg	gactgagggc	ggggtgaata	ggagacatcg	600
gggctcctcc	tatcactgaa	tcagtggcct	gagggctctc	cctttctctg	ggtagaaata	660
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<210> 1798

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1798

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tcctactccg	ctcgcattac	atagcaagaa	gccagccaag	gccatggctg	tgactggtga	660
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<210> 1799

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1799

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atagcaagaa	gccagccaag	gccatggctg	tgactggtga	cccctcagct	gtgaggcagt	180

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ccaaagtaaa ggtggcactg catcttcaga agccagccta gtgcgaggagg gaggtgtttg 240
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cctctgagaa atcatgtggt ccctgggtcca ctcacgccta ggccaagctt gtggcctgat 420
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<210> 1800
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1800
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gacttaagtc aattaagcaa catctcaagg gaggtgacaa aaatttcaaa gtgtgttttag 180
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aaaaatgtaa aacaaaaagc taagggaatt ggggaaaatg gaaaataaag aggaggggaag 540
ttgcaaaaac caagcctggg gtaagactga ccctagacta tcctgtccac gggcctgcct 600
gcttgccaga cggggctcca aaactggctc tgcgtatccc agcagctcag ctctcagaag 660
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<210> 1801
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1801
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aaactggctc tgcgtatccc agcagctcag ctctcagaag ggttacagta tccgaagtag 180
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tcctgtccta gagacaatag caagattcat gaggccgcct gtcacagtgc tcaaatgctg 360
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cgctctgctg ctcaggcaca atccaaggat aaatctcaga ctgtaccag agcaggattg 480
cctcgccctg ggcctctgca tgggcttcag gagaaaggga aatgaatcct ctaaaactgt 540
atggccagat taatgtgttc tgccagtcca tagaccggaa gtggtaacaa ggacgtgtgc 600
ctgcattcat ggccatctcc ctccaaaaat aattgtccaa agcttcagat aaaagcttgg 660
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<210> 1802
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1802
tgggcttcag gagaaaggga aatgaatcct ctaaaactgt atggccagat taatgtgttc 60
tgccagtcca tagaccggaa gtggtaacaa ggacgtgtgc ctgcattcat ggccatctcc 120
ctccaaaaat aattgtccaa agcttcagat aaaagcttgg gttctgcttc tgacttagag 180
agatgagcaa ttgaggccca aagcctcatg atgtggtgtg acccattttg cagaagatta 240
aactgagact gtgagaatgg gatttgtctg aagtcatagc aagtaaatga gcatgataga 300

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tacctacttg ggccctcagaa cccaatcttg taccagtgtc ctgctttgga cctatactcc 360
ctaaggcagg acaaaatgag cttattaaat atgatgccct acacttcttc aaggaatgtg 420
ataccaggag acaattaccc aggactagga gtagaaggcc tccatcacag ccttttagcct 480
cagactgagc caagaagaac tcaagattgg tagaggcatt aacatgccaa ccatcatcat 540
tccatctgca gttgagcaga aaagctcttt caaatataat gtgctctcct ttgtagtctg 600
tcaaataattt ttctgtctgg actttgcctt agggcaggat agataggatt tagagataga 660
aaggaatgga aggctgttag atgtggagcc aggcattgca              700

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<210> 1803

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1803

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tcaagattgg tagaggcatt aacatgccaa ccatcatcat tccatctgca gttgagcaga 60
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actttgcctt agggcaggat agataggatt tagagataga aaggaatgga aggctgttag 180
atgtggagcc aggcattgca tgagcaaaagg gtaggactgg gaactggcta cttaatttgc 240
aaggtccagg gcaaactgaa aatgcagaac tccttgggtca aaaattatta agaatttcaa 300
tacagcaatg gcaaagcatt gaaaccaagt gtggcgctct gtgtgactgc acagttgcat 360
gccccatgaag ctggccctgg caggggatca aacctggcct ccaggaaatg aagcagatgc 420
aggagtcttg aatggggaca ctgggaaggg gggtaggtg agggccatct cccatcattc 480
tccttcctgt aggctctgca tcgatggctt tcggtcccac tccctccctg aagagggggc 540
caagaagccc tgtcagcatc atgcagcaca ggaagagcca tgcacacgca gtggccggtt 600
gccccaaagcc catgaggggt gccatctgcc tttggagacc ctgcttaciaa ccagcagggg 660
aaggcagcta gactgcatgg ctgcccattg ttgattctag              700

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<210> 1804

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1804

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tcgatggctt tcggtcccat tccctccctg aagagggggc caagaagccc tgtcagcatc 60
atgcagcaca ggaagagcca tgcacacgca gtggccggtt gccccaaagcc catgaggggt 120
gccatctgcc tttggagacc ctgcttaciaa ccagcagggg aaggcagcta gactgcatgg 180
ctgccccatg ttgattctag ggctgggctc tcctttgggg agttatgggt ccgcaagtgt 240
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atgtcttggg tctccgctag ccagggccac aaaacctccc tgtgggttaac agtgacatgg 480
cgggcccagt gggagacagt gttttccttg atgggacaga cctgtccctg tgggtccctg 540
cacatgtttg tacatacatg cacacacaca tacatacaca tgaccagctc agaggctaata 600
ggcagatgtc ctggtaagga gctggctggc attgctttgg ggggtgtgctt tcaagtcaaa 660
tcctaacatt tctgaaacat agcttacctc ccctctccct              700

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<210> 1805

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1805

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gttttccttg atgggacaga cctgtccctg tgggtccctg cacatgtttg tacatacatg 60
cacacacaca tacatacaca tgaccagctc agaggctaata ggcagatgtc ctggtaagga 120
gctggctggc attgctttgg ggggtgtgctt tcaagtcaaaa tcctaacatt tctgaaacat 180
agcttacctc ccctctccct gcccctctga tggggcctcc cgggggttact atgtctgtcc 240
catcagcagg gtcccagacc aaggttctca caacagagca gagtgaagctc catttagctg 300
ggccgcatgg ccttcagctc taatttaaga aacaaaaatc cagggtgacaa ggtaataggg 360
gataggaggt cactcttgcc atagaaggat gtgccgcttc ccatggctcc ctatagtaaa 420

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```

gggagtaatg ggaaagacag taacagtgtg tggagtgtc actgagtgcc gtgtattatc 480
tcaggggatc tcaggggttg catgtgagat gggactctt atccttggtt tacaaatgag 540
gaaatgaagg cacagagcaa taaagcaacc agcccaagtt ctccatgtga attggtaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattgctta atcattgatt caactgacat 660
tcagcaccta cctgctccag gccaggctct gtgtagggca 700

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<210> 1806
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1806
catgtgagat gggactctt atccttggtt tacaaatgag gaaatgaagg cacagagcaa 60
taaagcaacc agcccaagtt ctccatgtga attggtaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaa aaattgctta atcattgatt caactgacat tcagcaccta cctgctccag 180
gccaggctct gtgtagggca caagaaagac atgggtccctg ccctcacaaa gctcaaggctc 240
aagcatactt tacaggacag atgtgcacat gtgcatgcat gaggccagca gccctgggtg 300
gggtgggcgc tgttctgggc cacttcaccc ttgctctttg gctagagagg aaagaggcac 360
cccctcctca ccatcctcca gcagaaggac agagttctaa aacctgaata atccgtataa 420
tcatatttta gatgactagt gtttgcacag tgctaggcac acagtgggtg cttaacaaat 480
tggtgaatga atattgaaca attaattagg agtcatagaa aatcagcctg gaaaatgtgg 540
ttcttgggct gaggagtatc acgcattgca cttggaaaat caccctcagc cttgaactaa 600
ctctccaagt agccaaagtc tggcagtttt agtttttacc agagctataa aggaccataa 660
agataagtga acccgtctg acctgcacgg aactgagaac 700

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<210> 1807
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1807
attaattagg agtcatagaa aatcagcctg gaaaatgtgg ttcttgggct gaggagtatc 60
acgcattgca cttggaaaat caccctcagc cttgaactaa ctctccaagt agccaaagtc 120
tggcagtttt agtttttacc agagctataa aggaccataa agataagtga acccgtctg 180
acctgcacgg aactgagaac gctggaaggc agcctgggtg tcagcaaaga acacaggctt 240
tctcggggtc tgcaactttg gactgtgtga tgggtgggca tccattcacc tctattagcc 300
tgcttcttca ccttcaaaaa gatgacaata atacctgctc ctagggttgt tgtgtgcatt 360
ggatgggaaa tatcagtggg gctgtgaca cattacaggc ctcatataat ggtagtctcc 420
tttctaccag gctcatacta gtagagcatt ttatttgtcc tgagcaaaat catgacttgg 480
aacacatgga cgaataagca aagcagggtt cacttaaatc tgactaagag aaagaaattc 540
taagaaataa aaattattcc agtccattac taaaagctag aaaagctctt ataaaaggga 600
tttgataaat ggaattcaat ccagagatg actgtgagtg aaaaattagc aatggctcctt 660
ttaagaataa aagattgatt tctatagtat cctctcatag 700

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<210> 1808
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1808
aagcagggtt cacttaaatc tgactaagag aaagaaattc taagaaataa aaattattcc 60
agtccattac taaaagctag aaaagctctt ataaaaggga tttgataaat ggaattcaat 120
cccagagatg actgtgagtg aaaaattagc aatggctcctt ttaagaataa aagattgatt 180
tctatagtat cctctcatag ttatccttta ttctagagaa aagtaagaag tagtagtta 240
taatggacta tacatccacc ccagttctat ctttgtcact tgattgtgac ttaaagctgg 300
gaattccttg acaatatgaa aaaacaaaac aaagaaaaac aaaaacaaac atgggctagt 360
aattactttt ttgtaacaac tttattgaga tatgatttat acaccataac atttactctt 420
ttaaggtata caaatcaatc attttttagta tattcacaga cttcagcaac catcagcaat 480
gatctgattt tagaattttc atcacccttg aaagaaaacc catacctgtt agcagtcact 540

```

```

cctcattcgc tacttctctt agcccttga aaccactaat ctactttctg tctctatgaa 600
tttgcctatt ctggacattt catataaatg gaatcataca atatatagtg ttttatgact 660
ggcttcttat acttagctcc ttttctaagt ccatccatgt 700

```

```

<210> 1809
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1809
atcaccccttg aaagaaaacc catacctgtt agcagtcact cctcattcgc tacttctctt 60
agcccttga aaccactaat ctactttctg tctctatgaa tttgcctatt ctggacattt 120
catataaatg gaatcataca atatatagtg ttttatgact ggcttcttat acttagctcc 180
ttttctaagt ccatccatgt cattgtgcag tgtatcagca cttcattact ttttatgggt 240
taataatatg ccatggtttg ggctgggtgc ggtgggtcac acctgtaatc ccagcacttt 300
gggaggccga ggcgggtggg tcacctgagg tcaggagtcc aagaccagcc tgggtaacat 360
ggtgaaaccc tgtctctact aaaaatgcaa aaattagctg ggcccggtgg cacgtgcctg 420
taatcccagc tacttgggag actgaggcag gagagtgtct tgagcctgga ggtggagggt 480
gcagtgcgt gagatcacac cactgcactc cagcctgggc aacaaagtga gactccatct 540
caacaacaac aacaacaaca actatatata tatatatata tatatatata tatatatattc 600
acggtttggg tctaccacgt tttcaatgat ctgttcatca gttgataagt agttgggttg 660
tttccacttt ttggctacta tgaataatgc tgctgtgaac 700

```

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<210> 1810
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1810
cactgcactc cagcctgggc aacaaagtga gactccatct caacaacaac aacaacaaca 60
actatatata tatatatata tatatatata tatatatattc acggtttggg tctaccacgt 120
tttcaatgat ctgttcatca gttgataagt agttgggttg tttccacttt ttggctacta 180
tgaataatgc tgctgtgaac attcatgtac aacattttgt gtgtacatgt tttcatttct 240
ttggggtata tacatagtag tgaaattgtt gggtcatacg gtaagtatat actcaacctt 300
ttgcagaact cctaactctgc tttccaaagt ggctacacca ttttacaatc ccaacagcaa 360
tgaatgaggg tttcaatttc tccacattcc taccagtact tgttattgtg tgtctttaat 420
tttagtcatt gtagtgggtg taaagaggta tctcattgtg gttttgattg catttctcta 480
ataactaatg ttgaacatct tttgcattga atctattgat caatttggag agcactgcca 540
tactaacaat aagtcttctg ctccatgaac agaacatggg aagcttttcc acttggttaag 600
gccttctgga atttctttca atgacatttt atagttttta aagtatacat tttgcaaatt 660
tttggttaaa tttatttctg aagtgcctcc tttaatattt 700

```

```

<210> 1811
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1811
tttgcattga atctattgat caatttggag agcactgcca tactaacaat aagtcttctg 60
ctccatgaac agaacatggg aagcttttcc acttggttaag gccttctgga atttctttca 120
atgacatttt atagttttta aagtatacat tttgcaaatt tttgggttaa tttatttctg 180
aagtgcctcc tttaatatatt cttgtaagac atcactgcta gaaacaattc tctcaagttt 240
tgtgtatttt tgaatttctt tatctcagtt ttgaaagaca gttttgttgg atgcatgatt 300
cttgggtgac agtttctttt ttcttccagc acttagaata tgccactcca ctgccttctg 360
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cctagtcata tatttgctgc tttcaaaaatt ttcccttcgt ttttgtctct ttttttattt 480
aagcagtttt accatgatat atcagggtgt ggatctcttt gtgatcattc tatttggagt 540
ttgttgagct tctgaaagggt gtagattaat gttttccacc aaatttggga agttttcagt 600
cattatttct ttgagcattt tttctgccct tttctctctc tctcctctcc tagtaattct 660

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attatgcata tattgctatg tttaatggtg ttccccattt

700

<210> 1812

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1812

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gtagattaat	gttttccacc	aaatttgga	agttttcagt	cattatttct	ttgagcattt	120
tttctgccct	tttctctctc	tctcctctcc	tagtaattct	attatgcata	tattgctatg	180
tttaatggtg	ttccccattt	ctctgagact	ctatacattt	tctttattcc	ctttttcctc	240
tctgttcttt	ggattgcata	atttccaatc	ctctatcttc	aagtttgctg	attctttctt	300
ttgcctgttc	aaatcttctg	ttaaggccct	tgagttactt	ttaaatttca	attattgtat	360
acttttactc	cagaagttct	attcagttgt	tttgtttgtt	taagagacaa	ggtctctttc	420
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agtaactggg	actataggca	catgccatca	tgtctggctc	agcttttaaa	aatataaatg	540
taatttttct	ctctttattg	ctattctcta	tttgatgcaa	tattgtcatc	atacttttaa	600
aagcatgact	tcctttcatt	ctttgaacat	atttataatg	gctgccttat	gccttaaagt	660
ctgttaaaat	ctgacatgtg	gacctctca	ggcagttact			700

<210> 1813

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1813

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ctattctcta	tttgatgcaa	tattgtcatc	atacttttaa	aagcatgact	tcctttcatt	120
ctttgaacat	atttataatg	gctgccttat	gccttaaagt	ctgttaaaat	ctgacatgtg	180
gacctctca	ggcagttact	gttgcccacg	ttttccccc	atgtataggt	catatttttc	240
tgtttctctg	catatctcgt	aatttctggt	taaaaactgg	acattttaga	taatataattg	300
tagaaattag	gtactgtcac	attcttccac	ccccatttcc	ctgatctttc	ttcttcttct	360
tttccgagat	gaagtctcac	tctgttgccc	aagctagagt	acagtggcat	gatctcggct	420
cactgcaacc	tccacctcct	gggttccagc	aattctcctg	cctcggcctc	ctgagtagct	480
gggattacag	ggacctgcca	ccatgcccag	ctaatttttg	tatttttagt	agagatgggg	540
tttcccaca	ttagccaggc	tggtctcaaa	ctcccggcct	caggtgatcc	acccgccttg	600
gcctcccaaa	gtgctaggat	tacaggcatg	agccaccacg	ccagtctgat	ctttctatta	660
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<210> 1814

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1814

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tggtctcaaa	ctcccgccct	caggtgatcc	acccgccttg	gcctcccaaa	gtgctaggat	120
tacaggcatg	agccaccacg	ccagtctgat	ctttctatta	agctgtctgt	gtctgctggt	180
atcacacca	gctgttagcc	tcactaattg	ctagccagtt	gcctcattca	tttcaataat	240
gccctggggg	catatattgt	cccacagtct	aatccagttg	acgtcaagcc	tctttgcagt	300
ggtagttttt	gaggcaaate	tataaggttt	gttttgactc	cagaagggtc	gctcttagct	360
gtctctttct	tgttttggtt	gtttgtttgt	tttctgtttt	ttcctggtaa	actagctgca	420
ttatgggttc	atttggtgct	ctaattggag	taccagaate	cttttagttg	cttaccacta	480
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aaagttcggt	cctgtgggga	cagctttaga	actctgttct	tttggtattat	ctctccccgc	600
tgggcaaaat	atctgagctc	ctgttgtaga	gaggtaggca	gggaaagcgg	cccatttatc	660
tcagaatgac	acccctactt	tatgagtcag	acactgagtg			700

<210> 1815
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1815
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 ctgtttaga gaggtaggca gggaaagcgg cccatttatc tcagaatgac acccctactt 180
 tatgagtcag acactgagtg gaagtgggag cttggtgtgg aatctctgcc gtatgaatga 240
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 gcattggttg tccctcttgg tgggtgctg tagcccttcc ttggaagctg atgggagaga 480
 gaacagtatt ttcttgcca taccaccta gagggaact tccatttttc ttgtgctggg 540
 aggaagggga aggggagggc tgaaggagtt atgactcaaa tatcatagac ttcactgttc 600
 ttgccaaggt atagtcgact ttcttgaata aatatatgcc cttaggacaa cttccagaga 660
 ctctaaatgt gtgtgtgtgt gtgtgtattt tcaccagtta 700

<210> 1816
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1816
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 tgaaggagtt atgactcaaa tatcatagac ttcactgttc ttgccaaggt atagtcgact 120
 ttcttgaata aatatatgcc cttaggacaa ctccagaga ctctaaatgt gtgtgtgtgt 180
 gtgtgtattt tcaccagtta tggctgtttc actgaggagc tgggtctatgg cgctggcgct 240
 cctcacactg ctaacttcga agtctcagaa tcttttcatg tgctaattga tttgtatttc 300
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 gatgagttct gtgatcattg gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg 660
 gaagataggg atgggagtggt aggggctgtg ggaaggagaa 700

<210> 1817
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1817
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 gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg gaagataggg atgggagtggt 180
 aggggctgtg ggaaggagaa gggctactca gggacctggc tgtgccccct gcacctgac 240
 aatggatcca ccacagctct accagtctgt attaggggaa catgagcaaa tggcatcgtg 300
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 ccagtcttgc aaatgctgag caggagccac cagccttgga ctgtctgtgc ttcttgcag 420
 agcatgtggg tcattccagc ctttccccag aacgtccatt ctctccacac cttcttcatt 480
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 gcttttagaaa acaaggcaca cctgtattag tcttacacct aaattgaatg cagcctgcca 600
 taaggaggga attacagtcc ttctagaggc ccaaggtacc tgcagctccc cctgaccagt 660
 cctgtcaaaag ccttgttttt gtcaaaatgc caccttgagc 700

<210> 1818
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1818
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 ttctagaggc ccaaggtacc tgcagctccc cctgaccagt cctgtcaaag ccttggtttt 180
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 tgagtctcct ctatgtgctc tctggcaaga tctactttct gaagcattga ctggaaatag 480
 aagtctcgcc gggctggctg gagccagagg cccccacacc ttatccccct tggaaatctgc 540
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 gacagtctcc acaccctga gcaatgtccc agggcagcct gcaggcctga tagaaactcc 660
 acaaacctgc ctatcacgga aggttttccc cttttgtcgg 700

<210> 1819
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1819
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 gcaatgtccc agggcagcct gcaggcctga tagaaactcc acaaacctgc ctatcacgga 180
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 aggccttttg ctggaggctc catcaactcc actaccagt ggctaccagc agctccacta 540
 ggggttcctag aggaggcagc ccagctgcag aagaggacag gaggatctac ggtgtggcag 600
 cagccctgtc ttagatcact ggtggcctgc aaagaaggct ggtccttaac acacaagggt 660
 cccccagggc ctctggagca caagacctgg cagaagtgg 700

<210> 1820
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1820
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 ggtggcctgc aaagaaggct ggtccttaac acacaagggt cccccagggc ctctggagca 180
 caagacctgg cagaagtgg atccagctta gaggtgactg cctcagttt cccagcccat 240
 ggactgatgg gaagggtcaag accctaata tgctccatgg gagaagagga catgcttgag 300
 gcaaaggcca gcccatgctt agcccctggc cagagccag gattgcctct gctgcttgcc 360
 ctgtggccct gcagatgaac ttaggccctc tccagagcag agcatttggt gcccttctg 420
 ctcttttagc ctcaaggcag gaggtgccc gggttcctca cacgcagggc ctcttctctc 480
 tgaggctctt gccctgagg ctatatatga agggccatgc ccatggagac tgagatctga 540
 cccctgcagt aggtctcagg gatgaggacc ccagcatcag acactctggg ttgcttgggg 600
 cacttccttc cccaacagaa gcttcagtc caaccagggt cccaccagtc cctgcttgcc 660
 ttctgtctca actgctgcct gatggaaaac ttagcaacga 700

<210> 1821
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1821

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ctatatatga agggccatgc ccatggagac tgagatctga cccctgcagt aggtctcagg 60
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gtttcagtc caaccagggt cccaccagtc cctgcttgcg ttcttgctca actgctgcct 180
gatggaaaac ttagcaacga gctgtgactg gcactcctcc cgcaggggta aacacagact 240
cctctagccc tgactgcaga gacagataaa ggcccttacc ctggatatct acattctcta 300
tccttaaagt gaaaaataac ttggtttgag ctagaataac tggagcaaca aaataaagat 360
ggatagcatt agtttataac tgatgaaata aaataagtat gtatgaacct gtactgatat 420
aagttaacaa ttgcatacat taataaatag atgtggaggg gaagctcttc ttctcagaag 480
aattccaatt aataaatggt gaaggaatca gaaaatgcaa aatcatcact aggcaaactg 540
cagtaataat tgtttcagtc aagacctagt gatgaatgct aaaatcagtg aataaaaaat 600
tgaggagaca caggattttg tataatctcg aagaacctcc cttaagatat ttattagtga 660
cagaggaaaa aatagtacct ttacagcaga gaaattccac 700

```

<210> 1822

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1822

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gaaggaatca gaaaatgcaa aatcatcact aggcaaactg cagtaataat tgtttcagtc 60
aagacctagt gatgaatgct aaaatcagtg aataaaaaat tgaggagaca caggattttg 120
tataatctcg aagaacctcc cttaagatat ttattagtga cagaggaaaa aatagtacct 180
ttacagcaga gaaattccac agacaccaac ttgacaaatg atcaaggtta acatcaccag 240
taataagaca catcagcatc atgtaccac tggtatgatg cccagagaat gcatcacttc 300
taaggatatca ttacaaaaaa gtgcataacg caatctaatt gtgagaaaaa tcatgccaac 360
ccaaactgag gagcattcat caaaaatactc ataaaaatgt caagatcatg aaagataagg 420
aaagactaag gaacaatcac agattggaga ctgagacatg acaactaaat acaacatggg 480
attttgatg ggatcctacg atagaaaaag ggcagtagta gaaaaactgg tgaaatccaa 540
acaaagtctg tagttcagtt attactattg taaccaatgt taatttcctg gtttgataa 600
atgcataacg cgtattttaa ttgttaacat cagagaaagc tagatgaagg gtatatgtga 660
aatctctgta ctattttcaa acttctctct aatcaaaaag 700

```

<210> 1823

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1823

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atagaaaaag ggcagtagta gaaaaactgg tgaaatccaa acaaagtctg tagttcagtt 60
attactattg taaccaatgt taatttcctg gtttgataa atgcataacg cgtattttaa 120
ttgttaacat cagagaaagc tagatgaagg gtatatgtga aatctctgta ctattttcaa 180
acttctctct aaatcaaaaag ttatttcaaa ataaagttaa aaaataatcg ccaggcgagg 240
tggtcacgc ctgtaatccc aacacttttg gaggccgagg caggtggatc accttaggtc 300
aggagtctga gaccagcctg gccaacatgg tgaaaccctg tctctactaa aaatacaaaa 360
aacaacaaaa caaacaaaca aaaaactagc cgggcatggt agcaggcccc tgtaatccca 420
gctactcggg aggctgaggc aggagaatcg cttgaaccaa ggaggcagag gttgcagtga 480
gccgagatgg caccattgca ctctccacc ctgggcaaca agaacgaaga aagaaactcc 540
atctcaaaaa aataaaataa aataaaataa aataaaataa aacgaaaaat aatttgactc 600
ttagtaactg cacaggttga aaaacttgga cctcacaatc aaccctgaa gaaggaaact 660
accttataca catgtacaca cacagacgaa tgcactcacg 700

```

<210> 1824

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1824

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ctcctccacc ctgggcaaca agaacgaaga aagaaactcc atctcaaaaa aataaaataa 60

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aataaaataa aataaaataa aacgaaaaat aatttgactc ttagtaactg cacaggttga 120
aaaacttgga cctcacaatc aacccctgaa gaaggaaact accttataca catgtacaca 180
cacagacgaa tgcactcacg caaaccctaa ctcagacacc ttattgctac ctccctggcat 240
actatgaaag gcatttctac agcacagcat gccatccttg gttcctggct aaccctgtcc 300
tcctgtgaag aggtgttggg gggcagttca ggcagacttg tctgtcccca aagatatgcc 360
cattgggaga tcctggcacg gcagtataag gcaaagacac aatctgagga cagtccact 420
acctgtgttg tgccaactgg gatgcagaga accttctcag gggccctggg cttggccctg 480
tacactggca ctggccaagt cagtatgggt ttggacttgt gttctattct ctgaggcttg 540
gaactgccac tgtggggaga ggggctcagc ctccagcaag tcccatcacc tattacacag 600
gccacaacct ggactttaga acagctccca ccatgccac tgtccccagc cagtggagaa 660
ggcaaagaag gtgctgagct tctgccttta ccactcctca 700

```

<210> 1825

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1825

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cagtatgggt ttggacttgt gttctattct ctgaggcttg gaactgccac tgtggggaga 60
ggggctcagc ctccagcaag tcccatcacc tattacacag gccacaacct ggactttaga 120
acagctccca ccatgccac tgtccccagc cagtggagaa ggcaaagaag gtgctgagct 180
tctgccttta ccactcctca ccaccacctt ggaagcccat ttgctggtgc cacactcttt 240
gctggtgcca cactctgtgc tggccaccac cggatggggc atggggcatt atctcactga 300
gtcctcccaa caactcagat aagggtggctt ctcttattat ccccattttg aaaactgaga 360
taaagtacac ataataata gtttaccatc ttagccattt ttaagtgtac agttcagaag 420
cgttcacact gttgtgcaat caatctccaa cactactttc atcttataaa actgaaactc 480
tatacccatg aaacaacgac tccctactcc ttccttcttc cagtccttg caaccacct 540
ttactttctg cttctgtgag tgtgactact cctgtagtga aatcagaaaa taatttgtct 600
tgtgactggc ttatttctact aagcgtagtc tctcaagggt ttatccacgt tgtagcatgt 660
ccttcctttt taaagctgaa taatcgcca ttgtacgcat 700

```

<210> 1826

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1826

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tccctactcc ttccctcttc cagtccttg caaccacct ttactttctg cttctgtgag 60
tgtgactact cctgtagtga aatcagaaaa taatttgtct tgtgactggc ttatttctact 120
aagcgtagtc tctcaagggt ttatccacgt tgtagcatgt ccttcctttt taaagctgaa 180
taatcgcca ttgtacgcat ataccacatt atgtttatcc atttgtctgt ggaaggacac 240
ttgggttgct ttcacctttt gactattgtg aataatgcta ccatagacat ggtgtacaaa 300
tatctctttg aaacctgtt tcaattattt tagacatata tccagaatta gtattgctgg 360
atcatatggg gattctattt ttaatttttt tagggaccac cacattattt tccatagtgg 420
ctgcaccatt ttactactcc actaggaatg aacaagggtt tcaatttctc tacatcctca 480
ctaacacttg ttattttctg tgtttaaaaa caacaacaac acttttttag aggtggggtc 540
ttgccctgtc acccaggctg gagtgcagag atatgggtcat agctcactgc aacctcaaac 600
tcttgggctc aagtgatcct cctgccccag cctcctgaga agctggaact acagtcacat 660
gccctcatgc ctggctaatt ttttatttat tttttgtaga 700

```

<210> 1827

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1827

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tgtttaaaaa caacaacaac acttttttag aggtgggggtc ttgccctgtc acccaggctg 60
gagtgcagag atatgggtcat agctcactgc aacctcaaac tcttgggctc aagtgatcct 120
cctgccccag cctcctgaga agctggaact acagtcacat gccctcatgc ctggctaatt 180

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ttttatttat tttttgtaga gatgggggtct tactatgttg cccagtgtctg tcttgaactc 240
ctgcccccta gcaatcctcc tgcctcggcc tcccaaagtg gatttctggg tggttttttt 300
ttctttttgt agtaactatt tttaagggtg caaagtggta cctccttatg attttcattt 360
gcatttcctt agtgattagt gatgttgagc ctcttttcat cgcttgtagc cccaatttat 420
agacaaggaa actgaggctt tcatcagtga tgtaacctgc ctggagtcag ccagggtggt 480
ggcagtggag tcaaaactgg cctctactg agtctgactc cagaactctg tgtgctgccg 540
ccccctctgg ggagagccat ccattccatcc tgcttaccct ggtacttgct tccttccctc 600
ctcctcccaa ccaccagagc ccagtttttt gttgtgtgtg ttgtttgttt gtttgttttg 660
agacacagtc tggctctgtc acccaggctg gagtgtctgtg 700

```

<210> 1828

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1828

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ccctctactg agtctgactc cagaactctg tgtgctgccg cccctctggg ggagagccat 60
ccattccatcc tgcttaccct ggtacttgct tccttccctc ctcctcccaa ccaccagagc 120
ccagtttttt gttgttggtg ttgtttgttt gtttgttttg agacacagtc tggctctgtc 180
accaggcttg gagtgtgtg gtgtgatctc agctcactgc aacctccgcc tcccagggtg 240
aagtgtattc cctgccttag cctcccagat agctgggact acaggggtgc accaccactc 300
ccagctaatt tttgtatttt tagtagagac ggggtttcac catgttggtc aggtgtgtct 360
caaactcctg acctcaagta atctgcccgc ctacgcctct caaagtactg ggattacagg 420
cgtgagccac tgtgccagc ccctagtgtc tttttatttt acttccacca ctcaaaaagg 480
aagccaggaa gggaaaagct gccaaaaaaa gcaaatcctg gtgcatgtgt gtgaatgtgt 540
gatgatgtac atccttagag gtccctgtga acagcgtaca acatgagtag ctatggactt 600
ggaggccagc agctactcac ccctcacgcc ctacagtga caaaaccagc gagcaatgga 660
aaagcagaca ggtcagccca gctgccaggg aaggctgcca 700

```

<210> 1829

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1829

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gccaaaaaaa gcaaatcctg gtgcatgtgt gtgaatgtgt gatgatgtac atccttagag 60
gtccctgtga acagcgtaca acatgagtag ctatggactt ggaggccagc agctactcac 120
ccctcacgcc ctacagtga caaaaccagc gagcaatgga aaagcagaca ggtcagccca 180
gctgccaggg aaggctgcca ctcatgggtc cagcctccat aacaggcact gataaacatt 240
ccaggaatcg acgcgggatg agctggcccc cagtctcagc tgctcccagg ccatgtgtgt 300
ggcagggagt gggcaagcac tagagcccct gctagggaag caaatccaga gaagcatggc 360
caccttaggg cccagggtag gtatggtgcc aatgctgggg gatccaaagg cagtccctgg 420
gctgagccca cttcccacag gtgccacaga ttcgacaacc accacgcctg gctggccacc 480
attctcttgc agaggagagt ttcaaaactt cctcactggt cttcttggtt atcatagcag 540
ctagagttag ctctttccaa aagcacgaac ctggccttag aatgcttact attttctcac 600
tgtcctccga ataaagtcag ctcctcagta tacatagaag gccactatga actagccctt 660
gtggccattt ctagtctcat ttgtcatatc tgtcatcctt 700

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<210> 1830

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1830

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ttcaaaactt cctcactggt cttottgttt atcatagcag cttagagttag ctctttccaa 60
aagcacgaac ctggccttag aatgcttact attttctcac tgtcctccga ataaagtcag 120
ctcctcagta tacatagaag gccactatga actagccctt gtggccattt ctagtctcat 180
ttgtcatatc tgtcatccct tgagttccag ccactccgat atatgagaat tccattacct 240
gaatttccca tactcttgcc tagacagggtc ttgtctacat tttcagaatc agctaaaatc 300

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atatcacc	ttcttggagt	atttcctcca	cctattgtcc	cacagagagg	gtgatttatt	360
tatcccaggt	cacatagcaa	gcaaggcagg	acttgaattt	gggttccaga	accctattgc	420
taaccagggt	taatgttagc	cttctcagta	acacagccag	tgtgccccat	gggcatctga	480
gggtaggctc	cacacaccag	atgtccacac	cttagtgctc	agcacaaggc	cagacacaat	540
gtctgatgac	cgctataccg	tgctgaggga	aagggataag	ggactagcag	aggccactca	600
ggtttttctt	gggaggagca	tgaggcagag	gagggactag	cagcagggaa	atcctacctg	660
cctgaccaat	agcaggcaac	agctccatga	ggatgctctc			700

<210> 1831

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1831

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tgctgaggga	aagggataag	ggactagcag	aggccactca	ggtttttctt	gggaggagca	120
tgaggcagag	gagggactag	cagcagggaa	atcctacctg	cctgaccaat	agcaggcaac	180
agctccatga	ggatgctctc	ctcagaagaa	aggtgtatcc	tgacccagggt	ccttaccaga	240
tgtgaagcag	caaaagcggg	agaagtgtgt	gtgcatcctc	attcctggaa	cttagaaaac	300
ctgccactaa	ccacgcaggg	tgctgagggg	ctacagcccc	tgccctgcaa	ctcacccctgt	360
gctcagagag	gtccctgagg	gccagggctt	ccagctgggg	tttcgccttc	tgtgcttcct	420
tgcacccaat	gagcctcagg	aggccatctg	ctgtcttaga	gaaactgggg	cctcaggaaa	480
ggaccccaaa	cctcacaagt	atatggtacg	gcagtacacc	tcctgatgcc	tccagaagtc	540
tgtggccagg	gaacagacaa	gatttggccc	cgccctgccc	agtaacaagg	tcctcacac	600
ccctcctccc	atgcctggca	ggaagggtgac	tcaggcagtg	cgtctgggta	gcctgggctg	660
cgcttcccc	aacgcaacat	ctagggttctt	aggaaaacttc			700

<210> 1832

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1832

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gatttggccc	cgccctgccc	agtaacaagg	tcctcacac	ccctcctccc	atgcctggca	120
ggaagggtgac	tcaggcagtg	cgtctgggta	gcctgggctg	cgcttcccc	aacgcaacat	180
ctagggttctt	aggaaaacttc	atttggtgtg	aaaatcggaa	atgaaaagag	agttgggtgac	240
aaactccttt	ctccatcacc	tccttattgg	acagaaaacga	cccaggaatg	cgctcgcggt	300
gagtcctatt	ctttcttggg	gtgcacaccc	gctgctggaa	gtatgaacag	caggtttgag	360
ggggaggggga	gcgctgaccc	gggcactgcg	cagggagtc	caaggggggc	tgacgcagag	420
ggagggtcag	gcaactcccg	gtcaacggtc	tcggcctggc	acccacctcg	gtcacgcagg	480
tggacaggta	gacgtcctgg	ctgaactccc	agccatccag	gcagctctcc	tgctccagct	540
gccccaggtc	cacgtcgcg	cccggctcca	gcccagagcg	cgagaagttg	gcgatggtgg	600
cgagccggta	gcggctgcag	ctgtggggca	cctcgcggcc	gtcccgcagc	cgagcgggga	660
cactgttggt	gcgccaggcg	ctgctcagg	tcgcggcgct			700

<210> 1833

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1833

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cccggctcca	gcccagagcg	cgagaagttg	gcgatggtgg	cgagccggta	gcggctgcag	120
ctgtggggca	cctcgcggcc	gtcccgcagc	cgcagcggga	cactgttggt	gcgccaggcg	180
ctgtcagggt	tcgcggcgtc	cggcactcga	cagcgggtgt	ccgggggtccc	cgccagggaac	240
acgactgaca	taccattgaa	gccattgggg	atgatgctgg	cgctgagcag	gaagaagatg	300
aggcgctgga	agggccccca	ctcgcccagg	aaggcgatca	cctcgctcgt	gtcccgcag	360
cttcccactg	ccgctccgaa	acttgcaact	acgggtgatg	acagcgcttct	caggacagtg	420

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tctttagct ggggcgctcc ccaaggatgt tagaacgttc ccgggggaca ggcaggctgt 480
tagaaattgg ggcgcgaagc cggggaccgt tcctgggaaa caggctgaag gcgttggagc 540
gttcccggga gctcgcgctg agcttgatgc cactgtacac ttgggaccac acccccatcc 600
ccggccgggc gcggggaagg ggagggcggc ccagcccggg aggctgggct cccggctgtc 660
tccgccctgt gcttcgcgcg cccgcccgc cccaaggacc              700

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<210> 1834
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1834
cggggaccgt tcctgggaaa caggctgaag gcgttggagc gttcccggga gctcgcgctg 60
agcttgatgc cactgtacac ttgggaccac acccccatcc ccggccgggc gcggggaagg 120
ggagggcggc ccagcccggg aggctgggct cccggctgtc tccgccctgt gcttcgcgcg 180
cccgcccgc cccaaggacc tgacgggggc ttccaggctg ggctcagcca ttccgcccgc 240
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tcggaggggt cggccctcga tctgctcggg ccgctgggccc ccgggcccag accccagcag 420
ggttccctcc gcggtctcct ccaatctgga ggctgagctt aggctgccac gcgtggggcg 480
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gagcgcgccc tctcctgtgg cgctcgcgc aggcggctgg cacacgccga cagggagctc 600
atctcccaac agtcctagca gagctgaatt cggtcacccc tggcggcgcc cggacagcgt 660
cctcaggaca gccaggacc tcattctgca cagggaaaac              700

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<210> 1835
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1835
gtcggttccc gggaaacttc tgggggcggc agagcgacag gagcgcgccc tctcctgtgg 60
cgctcgcgc aggcggctgg cacacgccga cagggagctc atctcccaac agtcctagca 120
gagctgaatt cggtcacccc tggcggcgcc cggacagcgt cctcaggaca gccaggacc 180
tcattctgca cagggaacac agggccacag cctggaaggg atgagcaagg tcacactacg 240
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ggaggcactg tcgtcacgct gggttctgat tttgagcccc ttgctctcct cacgccccca 480
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gaagggcctg cccccagtc aggaacagag ggagggaggg agagagaagt aggagatccg 600
atctggcgct cagaccgcgc agggtaacca aagcagggac cacagcctcc ctttttttgg 660
ctcagtgccc agacctagg cccttctgct gttgtgtgag              700

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<210> 1836
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1836
ctgtcagagc tttctccgac tgggaaggctt tctgttagca gaagggcctg cccccagtc 60
aggaacagag ggagggaggg agagagaagt aggagatccg atctggcgct cagaccgcgc 120
agggtaacca aagcagggac cacagcctcc ctttttttgg cttagtgccc agacctagg 180
cccttctgct gttgtgtgag ctacccggg cctggagcct gagccctggg gttcacgagg 240
cagataaaat tgacagggtg aagagctcac ctctttggag attttgcacg agtgtgtttg 300
tttcccagg ctccgattaa gaggcggagg gacatttctg cctctttttg ttagcttcc 360
agtctgacct ctctcttag gaggacttcc caccctcttg gaacctcagt ttcctacctg 420
taataagact atacatcctg atgtgctagg acagctctga tttatgccta ttaatccagt 480
gaaattatta atagagcctc cctttacttt cacaagtatc cttcttcgaa tgatatatta 540

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tggtcattat cttacttagc ttggggtttca tctccctact ccaccccata taatagagca 600
aagttggaga caagaacgta tataaggtcg tttattctga gtaatgatac cataaaacag 660
aagtggagga ctagggagga gagtgaacag agagggaggt 700

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<210> 1837
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1837
cctttacttt cacaagtatc cttcttcgaa tgatatatta tggtcattat cttacttagc 60
ttggggtttca tctccctact ccaccccata taatagagca aagttggaga caagaacgta 120
tataaggtcg tttattctga gtaatgatac cataaaacag aagtggagga ctagggagga 180
gagtgaacag agagggaggt aaagccaaca tagactgtga aattgagatg gttattggcg 240
atgaccaaga tcagtaacag tgttgtgtgg agccctagtg gagcctaaga ataaatggaa 300
aattagcaat actgagcctg tctttattga aaattttgat attgcgttca tcatgggtat 360
ttgcattaat ttctatttta aaaaatattg cattaaaata taattaatct tggttactga 420
atttcttggg gcctccttaa atttgaccca gagacaagtg ccttgctctt tttcctcacc 480
tcagccttgt ctcaatcccc attgctgtgg gttactgagg tttaatccca ctgggggctt 540
ctaaagagcc atatagaatg aggaggtatt tgtttcctag ttctgtctcc attggtcaac 600
tgcttgact tccagattag cacataagtg agggctgaac aggtaccact cgactatttg 660
ccattgctca caagtgtatg taaatctcta tctggaattg 700

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<210> 1838
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1838
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cacataagtg agggctgaac aggtaccact cgactatttg ccattgctca caagtgtatg 180
taaattctcta tctggaattg ttttgtctc catacaaaat gaatgaacaa gtatactgct 240
tacagcttag ccactgggg gaatttccct tcaaagttgt ttagggctac cccctaaatg 300
gagctatgtt acaggaacaa tctctttttc tttttttctt ttttaactag tatcaatgct 360
taaagctaatt ccactgtga gtaagggcta ttttccctc catcagttgg ttacagagaa 420
ctacctacta aggtgtagg tctgagctaa gacagaaggg ttggatatgc cgatagctga 480
ggtaggtgct ataggagtct gagccacctt ttgttgactt acatgcaccc tattgacctg 540
cttagtcctg atcctgaatt taccattcct gttctattat tatatgatgg attgctgata 600
agtctgcttt tttttttttt tttttttttt tttgagagag attctcagtc tgtcaccacg 660
gctggagtgc agtggcacaa tcacagctca ctgcagcctc 700

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<210> 1839
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1839
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tttttttttt tttgagagag attctcagtc tgtcaccag gctggagtgc agtggcacaa 180
tcacagctca ctgcagcctc aacctcccta ggctcaagca atccttctac ttcagcctcc 240
caggttgctg ggactacagg caaacacctc cacaccagc taattttttt ttctttattt 300
tttagagatg ggggttttgc atgttgacct ctgggctcaa gtaattctct gccctcagct 360
tctcccaaaa gtgccgggat tacaggtgtg agccaccatg cctggcttaa acctgcctaa 420
tcttacgact tggtagactc tgacaatacc tggcttacia tgggtatctc tggttgcata 480
gaccttgat gtccattgct taggctcttg gtttttattg gggccaaaca gctgcttttc 540
aaaagtcgaa tatctctctg ctgcatggcc ttgctccaga actttagaga tctgtgtgta 600
aactctttta ttagggcatt tcagagactc tgccctgtag cttattcat catgtatgcc 660

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tctagcccca ttgtatctgc tggataatat gaaccaaagt

700

<210> 1840

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1840

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ctgcatggcc	ttgctccaga	acttttagaga	tctgtgctga	aactctttta	ttagggcatg	120
tcagagactc	tgccctgtag	ccttattcat	catgtatgcc	tctagcccca	ttgtatctgc	180
tggataatat	gaaccaaagt	gtagagaagc	ttgtactcta	ggtggacaca	ctgtacagct	240
ctctcctgct	ctgggtttca	cccgaaactg	aaagccttca	ggggcacgaa	atagatgggt	300
cagaggaata	ctccaccaag	cactatgcct	tagtgttgga	ggatacagag	ctcaataact	360
tgtctttact	ttacagggga	taacctggca	tgactactga	tccctgataa	ctttacccat	420
ttgtttcaaa	ataatatggg	atagaagaag	ttggtgggga	tatagatgaa	ataatatggg	480
ctgtgaatag	tggttcaagg	gattcgtttt	actagtttgt	ctacttttac	atccatttaa	540
cttattctag	aacaaaaaag	taagaaaaaa	gttgaacaat	atgaatgtcc	tgaatcttca	600
tatttttatc	tgctatcctt	tggcatacat	gtgtctttac	taggacatct	agagttcttg	660
cttcttcttg	cttactaggt	caaattagca	ttaggtcatc			700

<210> 1841

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1841

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taagaaaaaa	gttgaacaat	atgaatgtcc	tgaatcttca	tatttttatc	tgctatcctt	120
tggcatacat	gtgtctttac	taggacatct	agagttcttg	cttcttcttg	cttactaggt	180
caaattagca	ttaggtcatc	aatacagtg	actaccatga	tgttcaatgg	aatattgaga	240
caatcaaagt	cgctagatac	tgtgttgtgc	agagaggaga	actaacatag	cccagaggca	300
agagagtga	tatgtactgc	tattattcct	acataaaaagc	aaacagtttt	tcctcctcct	360
gactgaagga	tattgagaag	aaaatatattg	atgttgaaat	taatctctgc	aataccaccc	420
aggatgtgg	tttactttct	atttaataaa	tcagtaagaa	agggtgagggt	aagtgtcagg	480
ggctttcatt	tgccctttcc	taccttaagt	gctcttaata	aaataggag	taaatgttag	540
tgactggcca	gttgctacaa	catctgtcct	agttattttac	ttagggataa	ggaaattagt	600
acagtgtgga	tcttcagact	tctggatctg	tttgcaagag	tactccattt	acctggcttt	660
catgagcctc	tgtcacgggg	ggaccatgat	agtgtttccc			700

<210> 1842

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1842

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catctgtcct	agttattttac	ttagggataa	ggaaattagt	acagtgtgga	tcttcagact	120
tctggatctg	tttgcaagag	tactccattt	acctggcttt	catgagcctc	tgtcacgggg	180
ggaccatgat	agtgtttccc	cccagcactg	atgccagctc	atactctgta	cccaatagcc	240
tttgaaagtc	tggttctttt	tcttccccct	gaccagagtt	actatgataa	atggccacag	300
atctctcatg	tggaaagatt	ggggaaataa	ttatcttgta	tacctttggc	agcattggag	360
ggctcttcta	taaaaaggct	tgccctttcc	ttaaatcaat	aggctctgag	cctgagaact	420
ggcctagatc	aaggaaaattt	atgaggaaat	actattttcc	attatggcag	ctgtcatctg	480
ccttctgctc	atgagccctt	gattttgggg	attgctgttg	ttacagtcaa	gtaatacaca	540
gtcatctgcc	aatttagtta	actctaggga	cactatgggc	tattagccat	tgccatagat	600
agaccctatg	ggtcaaagca	cttagctgcc	actttgggtt	tgtggtaatt	attattatta	660
ttatttttag	acggagtctc	actctgttgc	ccaggttgga			700

<210> 1843
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1843
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 actctagggg cactatgggtc tattagccat tgccatagat agaccctatg ggtcaaagca 120
 cttagctgcc actttgggtt tgtggtaatt attattatta ttatttttag acggagtctc 180
 actctgttgc ccagggttga gtgcagtggg gcgatctcag ctactgcaa gctccgcctc 240
 ccagggttac gccattctcc tgcctcagcc tcctgagtag ctgggactac aggcacctgc 300
 gaccatgtcc ggctaatttt ttgtattttt agtagagatg gggtttcacc gtgttagcca 360
 ggatggtctc gatctcctga cctcgtgatc caaccgcctt ggccctccaa agtgctggga 420
 ttacaggcgt gagccaccgc gcctggccat tttgtgataa tttttatata taccctgcct 480
 ctgttgattg ttacccatct ggtctctgca attccagggt cctaccatcc cactgacac 540
 taagaattcc tcacctttac atgttggtgt gcctcgggtg aaagagtggc ctctggactt 600
 cccatgggaa tgtagtcttc tagtaggttc tctgatcttg cataataact acaatctaac 660
 atgctaattc ctctgagact tctgactcct tcagtattct 700

<210> 1844
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1844
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 tagtaggttc tctgatcttg cataataact acaatctaac atgctaattc ctctgagact 180
 tctgactcct tcagtattct gccaaaggaag tttctggcat ctctacttca tttccgaagg 240
 tcgtaattgt gtccaagttt caaagaagca tctcagaagc atgtgaaaat ggttttatgt 300
 atccttgatt ggatgttaat ccctgaataa tgagagtgcc ccagattga tacattctta 360
 caaccctctc ctacaccccc tgttatccct gttcctgcca caacataggt cccgtaattt 420
 tttcaatgtg tatgtatatt gcttataaat cagatactgt atttctccac ttaggctgtg 480
 ctgagacctt accctagtta ttggtctgca ggcaatgaag ggaggtaggg gatatggagg 540
 agaataagca tcatcgttgg ggccttgcc ttaggaggag tcttggcagg attccaggca 600
 aggagaggct tgtctcctat agcaggagaa agatagctgc ttctgctggc cttgaagggt 660
 taggagaatc caggaattca aaattctcac attaatctat 700

<210> 1845
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

<400> 1845
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 ggcccttgcc ttaggaggag tcttggcagg attccaggca aggagaggct tgtctcctat 120
 agcaggagaa agatagctgc ttctgctggc cttgaagggt taggagaatc caggaattca 180
 aaattctcac attaatctat tcaaagtgtc ccattctttg ttccagggtt ccatatgttt 240
 cctatcaggg ccatgactcc attgtagaaa gtagagctat cacagctgtg aatcccttcc 300
 ttgcagggtc gccttctagg accactctta tgtcagctgt cttagcccag atttctcct 360
 gaaagcaaag cctgagtcaa gagtttgtgt gtaggtgatt tatttgggaa tggatccaaa 420
 ggaacaggaa taagtgactg gggagagtaa aacaggaaaag aagggaagcc aatataagag 480
 tgcagaggcc agatgtgggtg gctcacacct gtaatcctag cactttggga ggccgagggt 540
 ggtggatcat gaaatgagga gttcaagacc agcctggcca agatggtgaa accccnnctn 600

nctactaaaa atacaaaaat tagccangcg tgggtggcaca cacctntaat cccagctact 660
 ngggaggctg agncagnana attgcttnaa cccnnggagg 700

<210> 1846
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1846
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 gttcaagacc agcctggcca agatggtgaa acccnnctn nctactaaaa atacaaaaat 120
 tagccangcg tgggtggcaca cacctntaat cccagctact ngggaggctg agncagnana 180
 attgcttnaa cccnnggagg cagagggttg aatgagccaa gatcgcgcca ctgcactcca 240
 gctggggcga cagagcgaga ctccgtctca aaaaaaaaaa aaaaagtga gagtctcaga 300
 ccagcccga gagctgcagc gccttttgc gccctccctg ccttcccat cctccctgcc 360
 gacatcatgc tccagttcct gcttgaattt actttggcaa tgtgattgga atgtatctgg 420
 ctcagaacta tgccacgcca aacctggata aaacacttga tgaaatgaaa aagggcaatg 480
 ccgagaaaac cccctagtt catgaggccg actccagcac tgccttctgg atacactgat 540
 tgcaccactc ttgagggcct cctttaccat ctcaaccaa ggcttttgtt ttcactctcca 600
 acctcagcga ttttcgtctt ggctagaccc ggtgctgcct taggacaaaa atagggccac 660
 aagttaagaa ctacctatgt agtgtgacag atccccctgcc 700

<210> 1847
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1847
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 cctttaccat ctcaaccaa ggcttttgtt ttcactctcca acctcagcga ttttcgtctt 120
 ggctagaccc ggtgctgcct taggacaaaa atagggccac aagttaagaa ctacctatgt 180
 agtgtgacag atccccctgc aggtgtgtta agggtagcatg tccactgcct gaaccctgaa 240
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 aaacatcctg gagaatagct gagaacctac caagggaac agtcccatca cacacacata 360
 gtaggtaag agacagaaaa ttagcttaga gatgggagggt ggcacggatc tctaaagctg 420
 tcccgtgcc attcaggagt gcctcatgca taagtccctaa taaactcatc tactagccaa 480
 gctgaacttg tcccagacat gcttggtctc tttgctccct cccagtttgg ggtaagggtt 540
 tttttaaata caattccagg tttttctcat tacaattgct gtcattgagc ggatctgaga 600
 aaccaatgga tgaattagga aggcgcctct gcggggagaa tcctagggtg gttggcaaca 660
 tgcattgtgc gtggagttgc ccgactgctc aatcttcaca 700

<210> 1848
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1848
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 tttttctcat tacaattgct gtcattgagc ggatctgaga aaccaatgga tgaattagga 120
 aggcgcctct gcggggagaa tcctagggtg gttggcaaca tgcattgtgc gtggagttgc 180
 ccgactgctc aatcttcaca ggccaccgtg gactctggga aaactactggc agaaactgaa 240
 tcacctattg taagaagtta agatattaaa atacgataaa gataataaat gtgctattgt 300
 tgcaataagg gtagctactg agaaatcatg agagcaggaa agggagaaaag ggtaaaaact 360
 cctgcagaag gtgaaaggca tgccaggttt tctaggacac cagcagggtta catatgatgg 420

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cctattcttg tgcacgttct aaaactgatg ggcaaataac aacaacaaca aaaaaaaaga 480
gctcaaagtg ttaagctgca actatagagt taaatagcat cttcatatgc tctctgtttc 540
tctctttctt ttcccacatg ctttgaatct gctgttatta agccaccgtg ttgagataaa 600
actcactggt tatggttaaca ctaattcaag gttatttgga gattttgttt ttcttataca 660
attaagccag ttctagttaa aatgtaaaca ataaaaatgaa 700

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<210> 1849
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1849
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ctttgaatct gctgttatta agccaccgtg ttgagataaa actcactggt tatggttaaca 120
ctaattcaag gttatttgga gattttgttt ttcttataca attaagccag ttctagttaa 180
aatgtaaaca ataaaaatgaa aacgaaaagg aaaaaagagg tttttaaaaa tcaaaactgcc 240
atggaaactt ctttccccc aattttgatc cacagctttc cttggattac ctatcagggg 300
aaatagagct tagccataac aggtcccaat tttgtcaaaa gtaatttggg tccaactgtc 360
ttttgtaaaa acaacaaatt tattatattg tctcatggct agagttctga agtaaaatta 420
tcagatcttt gtgtatgtat gtatatacat gtttaaata attatatatg tgcattgtatt 480
atatgttcta acatgctacc aaataaaatt atagataaat ggggtataaag tccaaatgct 540
tttcaagtct acaggaattc aataatcttt gctaaataag ttggctttta aattattagt 600
aaataaaaaa aaagatatct tcaaaagtgt cagcatacat ttttgtctga gtcttctgat 660
aaaatacact ttatatattgc ctctgctaga tacttttaaag 700

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<210> 1850
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1850
aaataaaatt atagataaat ggggtataaag tccaaatgct tttcaagtct acaggaattc 60
aataatcttt gctaaataag ttggctttta aattattagt aaataaaaaa aaagatatct 120
tcaaaagtgt cagcatacat ttttgtctga gtcttctgat aaaatacact ttatatattgc 180
ctctgctaga tacttttaaag ggtcagggtt ttacatgaaa gttagaagac tgtaaaccca 240
gccaaaaata aaatgatctt tgtctgtatg atttttttga taagcaagac taattcgata 300
ttgttggttt aatgaaaaca actgaatttt ctgagttatc agcaggaatc cccatgtgtt 360
taacttttaag gctcttgctt agatgaacac ctgatattca caagctatga aaatggttta 420
cagggaaata acttgcaatg acgattagct ttgttgactg tcttggttct cacaagtaat 480
ctagataaac tgctaaaaat gaataaactg agtacatgta aatgagataa atgtgtgtag 540
gtgaaaattc tgtatagttt aaaatcttaa aattacttta ggtactcatt gaatgtctag 600
gtcatttcca gtttaaaaag ggttatgata tgggcgaggt atttgtggac cttaatgagc 660
tagataaaaa caaggactgg gccgggcgcg gtggctcacg 700

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<210> 1851
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1851
gaataaactg agtacatgta aatgagataa atgtgtgtag gtgaaaattc tgtatagttt 60
aaaaacttta aattacttta ggtactcatt gaatgtctag gtcatttcca gtttaaaaag 120
ggttatgata tgggcgaggt atttgtggac cttaatgagc tagataaaaa caaggactgg 180
gccgggcgcg gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat 240
cacgaggtca agagatccag accatcctgg ccaacatggt gaacccccgt ctctactaat 300
aatacaaaaa ttagctggac gtgggtggcg gtgctgttag tcccagctac tcaggaggct 360
gaggcaagaa aagctcttga acttgggagg cagaggttgc agtgagccga aatcatgcc 420
ctgcactcca gcctggcgac agagtggagc tctgttgcaa aacgaggacc aagtccagga 480
aataatcaaa gaacaaaaag gggatgagcc aattgaatgt acacttgccc tggatataggc 540

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aggcaattaa cacgaaaaaa taccacctgc caggggggatg ctttgaaatc acctgaacaa 600
tccaggaatt acataaggca caaatagtcc agagcaccta taacagccct atgtggcctg 660
caaagaagcc atatgatacc tagaaaatga cagtaaaactg 700

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<210> 1852

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1852

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gggatgagcc aattgaatgt acacttgccc tggatataggc aggcaattaa cacgaaaaaa 60
taccacctgc caggggggatg ctttgaaatc acctgaacaa tccaggaatt acataaggca 120
caaatagtcc agagcaccta taacagccct atgtggcctg caaagaagcc atatgatacc 180
tagaaaatga cagtaaaactg ccgtgagcta aacagagtga tgccccccgt acctgcagct 240
gtacccggta ttgctcagct gctagagcaa atggctcctta agctgggaaa tgtccatgct 300
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tttgcaattca tttgggagggg caaacaatgg attttccagg tgctaccaca agaatatctg 420
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tcagtcttcc tgttttacca tactgataat ataatgttaa cctcagaatc tcttacaat 540
ctggagactg ccctgcacac catcttagac agcctaaaaa ggacagggaa tgggaagtca 600
acccccaaaa catacaaggg cccagtgtag ccatcaaatt cctaggaatt acctggatgg 660
gtaagacacg aaacataccc agagctgtta ttgataagat 700

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<210> 1853

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1853

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tactgataat ataatgttaa cctcagaatc tcttacaat ctggagactg ccctgcacac 60
catcttagac agcctaaaaa ggacagggaa tgggaagtca accccccaaa catacaaggg 120
cccagtgtag ccatcaaatt cctaggaatt acctggatgg gtaagacacg aaacataccc 180
agagctgtta ttgataagat agcacagtag cctattcctc agacaataaa gcaacttcac 240
gttttcctag gtttattagg ctactggaaa atattcatct ctcatttgac acaaaccctc 300
tggccttcac acaccctagt aaaaagggat gcaaaatggg actggacaca taaagagcaa 360
gaggcatttg acaaagcaaa aatgttggtt aaacaagccc aagcattagg tgccccacag 420
ccacagcacc cttttgcatt agaagtcact agagataccg cagggatgaa atgggtgttg 480
tggcaaaagc aaccaacagt aatggtactt gtaagatttg gtctcaatta tgggaagggg 540
cataatccca ctatatagtc ctggagcaat aactctggct gtatataggg cattgcaaca 600
aatggaggcc atcaccagaa agcaaaccat cacaataaaa acttcctctc ctataaaagg 660
ggagatggag ggccttctag ccaagcccat ctctgggatg 700

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<210> 1854

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1854

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aatggtactt gtaagatttg gtctcaatta tgggaagggg cataatccca ctatatagtc 60
ctggagcaat aactctggct gtatataggg cattgcaaca aatggaggcc atcaccagaa 120
agcaaaccat cacaataaaa acttcctctc ctataaaagg ggagatggag ggccttctag 180
ccaagcccat ctctgggatg atacaatcac acactgctga agtggcatgc ctatctacaa 240
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tccactttga acaagtggaa ggggccgaca tggcaatgaa tctacctact aggccaacca 360
tcatatatga agggattcca ttgataccca ctagggccta atacactgat gggctagca 420
aaggcaccca acaccaatgg ttggcaatca tgggtgaatat ggacactgac aacatatggg 480
tagaatggga attaggacaa agcagtcaat gggccatgct acaggcagtt tggatactca 540
tcaccacaaa gccctggcca ttagtcattt gcacagataa ttggactaca tacagaggcc 600
ttaccatgtg gatcaatcag agtgccacag acaattggca agtttggggc aggtacctct 660

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ggggaatgac catgtggcaa gacatccaca tcaggttaca

700

<210> 1855

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1855

agcagtcaat	gggccatgct	acaggcagtt	tggatactca	tcaccacaaa	gccctggcca	60
ttagtcattt	gcacagataa	ttggactaca	tacagaggcc	ttaccatgtg	gatcaatcag	120
agtgccacag	acaattggca	agtttggggc	aggatcctct	ggggaatgac	catgtggcaa	180
gacatccaca	tcaggttaca	ggaaagggat	gtccatcttg	tgatgtacca	tatggatgca	240
catagcccaa	acaaccttct	ggaaatcaaa	aggcgaatgg	ccttactcat	tcacgtgcag	300
gcaatttgcc	caagcccatc	cgaggaaatg	ccgtatgtgc	acatcataaa	aacggccacc	360
aggggcaatc	acagagtggc	ccatagcaaa	agcagcaggc	atccctatcc	aataagcaaa	420
tgttttgcca	gctgttcaga	accatgagat	ctgctcacia	ctgtgacctt	gaaagattcc	480
ctccacacca	ggtcacatac	attgagccat	acaaactatg	tgagcctggc	aagtcaattg	540
tattggtccc	ctgccccaga	atagaaagaa	aagggtatgcc	ttacttgta	tggacacaac	600
ggggctgcta	caggccttcc	caataaaatg	tgccactcaa	ctggagatca	tcaaattgtct	660
cactgctctt	ttgtgtgtgt	gtgtgtgtga	cagaatcttg			700

<210> 1856

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1856

attgagccat	acaaactatg	tgagcctggc	aagtcaattg	tattggtccc	ctgccccaga	60
atagaaagaa	aagggtatgcc	ttacttgta	tggacacaac	ggggctgcta	caggccttcc	120
caataaaatg	tgccactcaa	ctggagatca	tcaaattgtct	cactgctctt	ttgtgtgtgt	180
gtgtgtgaga	cagaatcttg	ctctgtcccc	caggctgggg	tgcagtgggtg	cgatcttggc	240
tcactgcaac	ctccgctctt	caagtagctg	ggatcacagg	tgcccacctg	taatacaaaa	300
acgcctggct	aatttttata	tttttaggag	agatgggttt	tcaccatgtt	ggccagggtg	360
gtctcgaact	cctgacctca	agtgatccac	ccacctcagc	ctcccaaagt	gctgggatta	420
caagcgtgag	ctaccatgcc	tggacctcac	tgtctttaac	gtcatgtatg	gcataccaaa	480
aaggatagat	aatgatcaag	gccccaatc	acaggccata	atattaaaca	ctgggcatca	540
gaacaaaaca	tagactgaaa	gttccactta	ccatataacc	caacaggggc	aggccttaca	600
tgcatgtgtc	taggactgga	ctaagaatct	ccctgtaata	caaattttta	atgtcaccca	660
ctaccatgca	tggcatcact	tcctgtgaat	ggttggcaag			700

<210> 1857

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1857

gccccaatc	acaggccata	atattaaaca	ctgggcatca	gaacaaaaca	tagactgaaa	60
gttccactta	ccatataacc	caacaggggc	aggccttaca	tgcattgtct	taggactgga	120
ctaagaatct	ccctgtataa	caaattttta	atgtcaccca	ctaccatgca	tggcatcact	180
tcctgtgaat	ggttggcaag	gtttgtaaac	caggccccac	aaactcttgg	ggttacctct	240
gagactcaga	tccatgatcc	tgaaacaaat	ggccagactt	tgccccctgag	cacatcagtg	300
gatctaccaa	gtggcgatgg	ctacatggac	ccaaagttga	gctggaaaaat	gccccatac	360
tagatcgatt	ttatagcgct	ggaggacacc	atgaagactg	actgagggga	aatggtccca	420
gccgtgctcc	ctgatggaga	tccgagatac	tgacgttatc	aacatgcagc	aacaccaaca	480
cctgctagat	gcgttaaatg	tggatagcac	aggcaaggcc	agaaatttac	caattggctt	540
tatgccacc	cctgtggagg	gaaaccctat	atagtactgt	aagccaggct	cgaggccag	600
ggcatctgcc	ctaatagggc	caatgggaaa	aatgattatg	ttagcaataa	ttaagttaca	660
aggaatagat	atacctatga	gggtttctac	taaacgcctg			700

<210> 1858
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1858
tggatagcac aggcgaaggcc agaaatttac caattggctt tatgcccacc cctgtggagg 60
gaaaccctat atagtactgt aagccaggct cgaggcccag ggcattctgcc ctaatagggc 120
caatgggaaa aatgattatg ttagcaataa ttaagttaca aggaatagat atacctatga 180
gggtttctac taaacgcctg tgtttatgcc caaaggccat ggcttctgct acccatggta 240
gntagtaatg tcttcctgga ctgggctgca gctgcagcaa cagtcaacaa ccagccctgt 300
tactgggtat agggatacct cccctgtgca aatgataatg gcatgccttg gaatattctg 360
cctttctccc aacagaactg gaatgattgc ttcaacagca tcaataaggc aatccggctc 420
actggggact gcctccacct ggaggccaaa ttgccaaacat gacagagacc aaacaacata 480
cgctctcata ggcactacct gttatttctc tgataaagag aatcatgtca cagatgcttt 540
aaatcatttg tcaactcaga tccatgatag agttcaatta gggtactttg actcattctt 600
aaattaggta cacagcttac ctacttgctg gaattatggt ttgctaatag gcatcataat 660
tataganagc ttctgctttt tatgctctta tgtataccat 700
```

<210> 1859
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1859
gttatttctc tgataaagag aatcatgtca cagatgcttt aaatcatttg tcaactcaga 60
tccatgatag agttcaatta gggtactttg actcattctt aaattaggta cacagcttac 120
ctacttgctg gaattatggt ttgctaatag gcatcataat tataganagc ttctgctttt 180
tatgctctta tgtataccat ggaagtggcc tgtatccaca aactgtggnt atacattata 240
gacctctata gctcttcccc tcgtttcctg ctcagggact ctcgagcaag gttgggtggaa 300
agaatataag agctggggaa tgggatgaat tgaagtatga cagggtcccc ggccagggtga 360
ctcaagggtg tatgtccgct gcctgaactc tgaagatcag gtgatgacct aaggccatgg 420
taccagcca aggagcaaat gacctgagg acccaaacat cccagagaat agctgagaac 480
ctaccaaggg aaagagtccc atcacacaca cagaagaagc aaagagccag aaaattagct 540
taaaagcagc ttagggatgg gaggtggcac agatctctaa agctgtccca ctgccatcca 600
ggaatgcctt gtgtgtaagt cctcataaac tcatgtgctt accaagctgg acttgtctga 660
ggcactcttt ggtctcttgg ctccctctca atttgggaga 700
```

<210> 1860
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1860
atcacacaca cagaagaagc aaagagccag aaaattagct taaaagcagc ttagggatgg 60
gaggtggcac agatctctaa agctgtccca ctgccatcca ggaatgcctt gtgtgtaagt 120
cctcataaac tcatgtgctt accaagctgg acttgtctga ggcactcttt ggtctcttgg 180
ctccctctca atttgggaga aggtattttt tttaatacaa ttttggggtt ttcttggtac 240
attaccctta tatttccgac atccttatct ctttccacat cttcctttca gccgtttggg 300
```


aggttctaag	actggaatta	cgggtgctaga	ttagtgaaca	tgaccttta	tgagtgtct	360
ttcccttatt	ctttgggatt	ttgactacct	ttgtcagat	gaaaaattgg	tgagttttgt	420
gtagctgatt	ggatgcaaat	aatgctgatt	tcacatttta	gcaaagatgc	ttgttaaaca	480
tttggtacga	aattgtgttg	tttctaagta	attaaaatct	atttagaagc	caaagaagaa	540
gaagaggaag	aggaaagaag	aagaagagga	agaggaagaa	gaagaagaag	aagaagaaga	600
agaagaagaa	gaagaagaag	aagaagaaga	aaagaagaag	aagaagaaga	ggaagaagaa	660
gaagaatgca	gcagtagggt	gtttacagat	gtaagaaatt			700

<210> 1861

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1861

tttctaagta	attaaaatct	atttagaagc	caaagaagaa	gaagaggaag	aggaaagaag	60
aagaagagga	agaggaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	120
aagaagaaga	aaagaagaag	aagaagaaga	ggaagaagaa	gaagaatgca	gcagtagggt	180
gtttacagat	gtaagaaatt	tgggtatggg	tctcagaaat	gtccatcttt	aaggttcaga	240
agtagggaat	atttaggtct	gggctggaga	tacctatttg	ggagtgggtca	taactgcaga	300
gttcctgagg	cccttggtgt	gacagcagag	ccagccaggg	ttcctgggtg	caagcatgct	360
cacagaattg	atgggaaagc	tgagggtactg	ctgagataag	cagaaatcag	ctgttggaga	420
tggcaccgcg	ctgggaagta	gacagaccag	agtggagccc	taacagggca	gcctgcttca	480
gactgagcct	gaaggggagg	agtggctcct	tgactgggcc	aggtggcctc	tgatcactgt	540
cctcccagaa	caagtccagt	gtggctggag	taagagcaca	aaaggagggt	agggacagtt	600
tagaagggat	gtggttatta	gacagcgcaa	acagcacaaa	caaccctaga	caatgagcat	660
ctggggagga	atggaggagc	taggacaggg	ccttgaggag			700

<210> 1862

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1862

agtggctcct	tgactgggcc	aggtggcctc	tgatcactgt	cctcccagaa	caagtccagt	60
gtggctggag	taagagcaca	aaaggagggt	agggacagtt	tagaagggat	gtggttatta	120
gacagcgcaa	acagcacaaa	caaccctaga	caatgagcat	ctggggagga	atggaggagc	180
taggacaggg	ccttgaggag	tggtgcctca	ggggcaggca	agagagtga	caggaaact	240
ggctgggaag	gcacaggggtg	acaggactga	ggagaaagag	acttcttcca	cccagaaatc	300
tctttctggg	tggtgagaca	gtctccagca	attggagaga	gagccctggg	ggctgggaag	360
gggccaagtcc	aggctgtctc	tcagcaggct	cctggaacca	cggagggtca	gtgagtgggtg	420
gggatgaccc	atttagccgg	gatcatgacc	agacgagtga	gtcaagcagg	catggtggta	480
ggttcatgca	tatcagagtt	ggtgatcagg	tgctgtggca	ccagccttgt	ccacactcag	540
atccaaagct	tcaggggtca	cctttacttt	gcccagcttc	caccattcca	tgcccatg	600
aaaaagttgg	taagggttag	cctgcactct	gggctgttct	ggggaccttg	ccaagtggaa	660
acagatcagc	acccttcaga	aatggcttgg	tcagagtcac			700

<210> 1863

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1863

ggtgatcagg	tgctgtggca	ccagccttgt	ccacactcag	atccaaagct	tcaggggtca	60
cctttacttt	gcccagcttc	caccattcca	tgcccatg	aaaaagttgg	taagggttag	120
cctgcactct	gggtgtttct	ggggaccttg	ccaagtggaa	acagatcagc	acccttcaga	180
aatggcttgg	tcagagtcac	taaaccattg	gtaggcaggc	aacactctcc	atggaagact	240
ggtatgcgcc	gttacttttg	ttgcccctgc	catggagatt	tgctagggtg	tgtgtgacct	300
tggcaagttt	tttaaccttt	ctgagctcat	ccataaaatg	gggataataa	ccatacttcc	360
tttctgggtg	gtatgaggat	taaaaacaat	catatcgctc	actaagggtc	tggagatgaa	420

```

ggcctgggac acattagctc ccataatagt tattatccaa ctcccttccc ttcttctgag 480
actgtgggtg tgctccagct tcccatgaaa attcaattac agaccaagaa caccctggat 540
ggcagctgag tggtcttgca ctgcagccat tgtcagtga gctggtgtgt gtgtgcgtgt 600
gtgtgtgtgt gtgtgtgcgc gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct 660
gagcttggct caccgggcct gacagacca cttagggtct 700

```

<210> 1864

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1864

```

tcccatgaaa attcaattac agaccaagaa caccctggat ggcagctgag tggtcttgca 60
ctgcagccat tgtcagtga gctggtgtgt gtgtgcgtgt gtgtgtgtgt gtgtgtgcgc 120
gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct gagcttggct caccgggcct 180
gacagacca cttagggtct ggttaatgct gtttctgagc ccacatggct gagaccgact 240
ccagaccctg caggaccagc tgaggtctct agcagctctc cctgggattt ctagtctctg 300
cattccagcc acaaatggat gtatgtcaga cactagcaaa gttgagggtt ggtttctgta 360
gggaccctaa tagtttccca cttgtggtag aggggacaca ggaggacagt gcttgcttat 420
tagagaaacc tcttcactac ccttaaacct ttttagaggt tccacctcca ttcagatgtg 480
ctgtgggaat gttgttagaa agacagatta ttctgtgaga aaatgataaa ccaggaagtt 540
acatgaaaag caagtcaggg gtcggcctgg ggtgcaagac aagaagttgg gtaagaatga 600
gttggtccagg atagcactgg agtgcacgta gctggacagg ggcaccaga ggtggagggg 660
aggtggggca ctcccaggt ggggcagagg gactcagggc 700

```

<210> 1865

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1865

```

agacagatta ttctgtgaga aaatgataaa ccaggaagtt acatgaaaag caagtcaggg 60
gtcggcctgg ggtgcaagac aagaagttgg gtaagaatga gttgtccagg atagcactgg 120
agtgcacgta gctggacagg ggcaccaga ggtggagggg aggtggggca ctcccaggt 180
ggggcagagg gactcagggc ccacagccca ggcttctggg catcatggtg tgggtgcaagt 240
cacaacactg ctcccaccca tccaactcag cagttcaagg gctgtgagcc cagggccaaag 300
ctagcacacc ccttagaggg gctgagtcct tggccatgaa gggagggctg gcttgaagct 360
gcatctgggc tccgcctacc ttcacccctt tctttggttc tctaggagga aagtatcaaa 420
taacaaagct tgtcactcag agaaccagaa aggactccat ttgtgtttca acctccttgg 480
aggggtcaagg aagcctgcaa gagtcttgag gagagtttga tggggctgaa cttacagata 540
agcacaatga gagttacaga ggcacaagtt gtccacagag gccagcaggg gctgtgtacc 600
tcatgtggcc ctgtgagctg ggatttggaa tttagactct gtcctaagag cagtgaggag 660
ccatggaaac tataataggt aagattgaca ggaattgca 700

```

<210> 1866

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1866

```

gagtcttgag gagagtttga tggggctgaa cttacagata agcacaatga gagttacaga 60
ggcacaagtt gtccacagag gccagcagg gctgtgtacc tcatgtggcc ctgtgagctg 120
ggatttggaa tttagactct gtcctaagag cagtgaggag ccatggaaac tataataggt 180
aagattgaca ggggaattgca cttgaaaaaac ctcccttagc tgttatgtag agaaaggatt 240
gagggagggg ccaggcagga gacagggaga caaggcagag gcccttacac tgttcagcat 300
gagacagtgg cgtctggact ggggagagtg ggctagtttg gaattagtta gggatgaacg 360
cagtcagtgt tgctaactgg ttttactgct tctacctttg ccccttaggg cctattctcc 420
atacagcaga caatgtgatc ctagttaaaa cataattcca ggtcatgccg ctctctggc 480
ttttcatctc agagtaaaaag tcaaagtcct taccatggct gtaggagaa acgctgttgc 540

```

```

gtggcaagaa tgatgctttt tttttttttt ttaacagggt ctcactctgt tgcctaggct 600
cgagtgcagt ggcaagatca tagctcactg cagcctcgaa ctcttgggct caaggggtcc 660
tcccacctca gccttctgag tagtttggac tatagggtgca 700

```

```

<210> 1867
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1867
tcaaagtcc taccatggct gtaggagaac agcctgttgc gtggcaagaa tgatgctttt 60
ttttttttt ttaacagggt ctcactctgt tgcctaggct cgagtgcagt ggcaagatca 120
tagctcactg cagcctcgaa ctcttgggct caaggggtcc tcccacctca gccttctgag 180
tagtttggac tatagggtgca tgccgccaca gctggctatt ttttttttca tttttatttt 240
ttctagaggg ggggtctcgc tatgttgccc aggttagtct caaactcctg gccttgaaag 300
atcctcccgc cttggcctcc caaagtgtcg ggattacagg tgtgggccac tgttccaggc 360
cacttgatcc aaaaccaccg taatgaccaa tgtttgacct ctagatgcca agatattcat 420
cagcaagatc tttaaacaat gcctgtagaa tagaaaactc ttcataaaga tgcttattta 480
acctctccag tggtcacgag tcttggcaag aaagtctgaa gacgggacca gctgcacatg 540
ttttacccta agagcttgct atataaagga tactttctgg aaggctgggt ggtgtgagga 600
ttcagtcttg cagccactcg agacatcact tctgttcgta agtccctctt atatatttct 660
ctctgagaaa atggatttgt caacctcttt ctttggcttc 700

```

```

<210> 1868
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1868
tcttggcaag aaagtctgaa gacgggacca gctgcacatg ttttacccta agagcttgct 60
atataaagga tactttctgg aaggctgggt ggtgtgagga ttcagtcttg cagccactcg 120
agacatcact tctgttcgta agtccctctt atatatttct ctctgagaaa atggatttgt 180
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catggaacaa tggctcaca gggccaacac agccttgtct ccctcacatc tctctgacga 300
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cttaggattt cctgtgccct ctgccctgaa tgtaatcccc ccagatacct gcacagatga 420
tatcttatta cctcagttct ctgcccaaat gttaccttat ctgtgaggcc tttccagatt 480
ccatatatga agagaatccc ttatgtctta ctgtaatgcc ttctttattt ccttgatagc 540
actgcttata gcctgtagtt attttacatg ttcgttcaaa atgttttctt aggggtgcaac 600
acaatgcctg gcatacagaa ggttcttaat aggtattttt gttttttgag acagagtctt 660
gctctgtcac ccacgctgga gtgcagtggc gtgatcttgg 700

```

```

<210> 1869
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

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<400> 1869
ttatgtctta ctgtaatgcc ttctttattt ccttgatagc actgcttata gcctgtagtt 60
atttttacatg ttcgttcaaa atgttttctt aggggtgcaac acaatgcctg gcatacagaa 120
ggttcttaat aggtattttt gttttttgag acagagtctt gctctgtcac ccacgctgga 180
gtgcagtggc gtgatcttgg ctcactgcaa cctccacgtc ctgggttcaa gcaagtctcc 240
tgcttcagcc tcctgagcag ctgggactac aggtgattgc caccacacnc gggataattt 300
ttgtattttt agcagagacg gggtttttgc atgttggcca gactgggtctt gaactcctgg 360

```

```

cctcaagtga tccccccac cttggcctcc caaagtgtg ggattacagg cgtgagccac 420
tgtgcatgac cttttaataa atatttagtt gactgagtga gttgaggttg aggatgcagg 480
agggagcagg tgccctccag gacagcagtc cccaaccttt tcggcaccag ggactggttt 540
tgtgaaagac aacttttcca tggatggagg gcagggatgg tttcaggatg attcaaacac 600
attacactta ttgtgcactt tattcctatt attattacat tgtaatatat aatgaaataa 660
ttacatgact caccataatg tatggtgaag gaagccctga 700

```

<210> 1870

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1870

```

gacagcagtc cccaaccttt tcggcaccag ggactggttt tgtgaaagac aacttttcca 60
tggatggagg gcagggatgg tttcaggatg attcaaacac attacactta ttgtgcactt 120
tattcctatt attattacat tgtaatatat aatgaaataa ttacatgact caccataatg 180
tatggtgaag gaagccctga gcttgttttc ctgcaactag atggtcccat ctgggggtga 240
tgggagacag tgacagatca tcagacgtta gattctcata aggaatgtac agcctagatc 300
ccttgcttgc acagctcaca atagggttca tactcctgga atcctagaat cctagaatcc 360
ctactcctag aatcctagaa ttagagaatc taatgccact gttgatctga caggagatgg 420
agctcaggtg gtaatgcaag caatagttag cggctgtaaa tacagatgaa gcttcactcg 480
cttgcaagcc actcacctcc tgctgtgcaa cccaatttct agcaggccat ggtctatggc 540
ctggggattg aagacccttg ctccaagact tacctccac tgagaactca ggcaggatgc 600
ttggaggtga ggtgaaagggt agtgggagga agggaagccc agtgtatgtg tgagtgggtg 660
tgtgtgcttg tgtgcctgag tgaggggtggg tgcttctcca 700

```

<210> 1871

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1871

```

tgctgtgcaa cccaatttct agcaggccat ggtctatggc ctggggattg aagacccttg 60
ctccaagact tacctccac tgagaactca ggcaggatgc ttggaggtga ggtgaaagggt 120
agtgggagga agggaagccc agtgtatgtg tgagtgggtg tgtgtgcttg tgtgcctgag 180
tgagggtggg tgcttctcca ggaccctgt acctcccagt tcctggcctg ggtggaggct 240
gggcaggaca gaggtaaatc tgagccaggg tctgaccaag gagataacag gttgtgccag 300
aggcaccagg caaaactgga agggatggga tggagggcag gtggatggaa actattaact 360
ctccctgggg atgggagggc cgaggctttg ctctagggga gggggcagta gagttgggcc 420
ttgaagagtg agtaggagtt tgctgagcca tgacaaaaga agaaaggcat tttgagcttc 480
agaggtctga gggctatgaa aaggtggact agctcagagg atgctggact ggactgtctg 540
ctgtagcaga ggaggtgaga caaagtagtc agcagcccga ggtcagagag gctttaaatg 600
ctagtgggag gaccaggagac tccatcctga gggccccgag gtcagagagg ctttaaaacg 660
ctaggcagag gaccaggaac tccatcctga gggccctgag 700

```

<210> 1872

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1872

```

aaggtggact agctcagagg atgctggact ggactgtctg ctgtagcaga ggaggtgaga 60
caaagtagtc agcagcccga ggtcagagag gctttaaatg ctagtgggag gaccaggagac 120
tccatcctga gggccccgag gtcagagagg ctttaaaacg ctaggcagag gaccaggaac 180
tccatcctga gggccctgag gtcagggaga ctttaaatgt taggaggagg accagggact 240
ccatcctgag ggccctggaa gagttgaagc aaaggaatga gagattcctt cagctgccct 300
gaaatgggtc taaaaatgct tgggaggcaa aatcctagac acagtgtctg gtaggatgtt 360
atggctggca tgagggtgta gaggatgata tccatgtctt tgggtctgaaa gccctgagg 420
taaggaactg ggccctgggg ttcgagggat gtagcaggtt tggggacaac agtgaaagtt 480

```

```

ggttctagcc aggtaggctg gagcctggag cactgtgaat tggggatcct ggatctggtt 540
ccccctcctg gagagagact ctgatgtccc ctgtctcagt actgggaccc tgggccatac 600
aaaccttgtc ctatgaggac cctgtcccaa gcttttcatg gtcgactaca ctcagggcc 660
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<210> 1873
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1873
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cccactcctg tgcttaataa tgcttccctg ctttctcggg tgccagtcac cctctcctct 600
cccacctatg actgggtggg gctgggacca agtcagcggg ggcagggtgg gcaggcaagg 660
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<210> 1874
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1874
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<210> 1875
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1875
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caggagcaca aggaaatggg tactgtctcg tgctgatgat gaatgtgaat tgataacagt 660
 ttttttgtga tttgcatag cacaaaattg aaaacagcac 700

<210> 1876
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1876
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 ctggaacaga agtgcagacg gccgcggcg gccccggtga 700

<210> 1877
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1877
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<210> 1878
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1878
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 gggatggtag agcttgtccc gtgccttgac gatgggtgcc ctgatggggg gaacgagaca 480
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<210> 1879
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1879
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 ctcccgagc atcctgtaca cctcggagcc caggtcgatt ctgcagtccc ggctcccgcg 660
 gaggcctctg gctgggtcag cgctgggagg gagaaagaaa 700

<210> 1880
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1880
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<210> 1881
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1881
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 ggctgaagct caagagtgcc attgtgaggt cagccccctt tgggcctaca cctgtcccc 660
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<210> 1882
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1882
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 tgcaagtgca cacaagcacc ccacagcaat gtaaacaggg gcatgcacac tctcacaatt 480
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<210> 1883
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1883
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 aatgggggacc agatgggctg tggccagtgg ggggtgggct cagcctccgg gcagaggcct 660
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<210> 1884
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1884
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<210> 1885
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1885

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tccagctagc tccacccctt cccaacacc cccactcagg cagaggggtg gagcagcatg 660
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```

<210> 1886

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1886

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tgaagttcca gctggccctg tcccatccca ctcggggatg tgtgccaggg caccttgtgc 60
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aaggtctggg gtccatgggg ccatcagagc aagtttctga gacacagatg tggccatgaa 660
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```

<210> 1887

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1887

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cctcatgcat gagcttgagg cccacaccct gctgctcccc tctgctggc ctgtggcaaa 60
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<210> 1888

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1888

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<210> 1889
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1889
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<210> 1890
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1890
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<210> 1891
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1891
tctttcctcc tgctgctgct gccggcagag tcatcactga gtctgcccag cccagatggg 60
aaacaggcca ttaggaaatt cctgcttcgc catagaaacc aaaagccaaa caccactcag 120
gagggagaaa aacatcataa acctgccata agcagggcag gcaggccgag aggctacgtg 180

```

```

cctaaggccc agccctgtca ctcaagtagcc ctgtgagaag gcaggccagg aaggggcatg 240
gaccctggac tggcagggtg gtatgaggtg aggctgggta gaccaaaggg gaataatgcc 300
ctccaactca cccacgaag cctcctgagg cttctcaagg tctcattact gacctagcag 360
cttgcccttg cctcttctgc ccccttcagt tgagggtttt aataatctat ctatgcctat 420
gggtccatact cactctgcac ttctctgcct ctgcccattc cttagtccct tggaggctac 480
ctctctactc caggcctttg gtattagagc tctgtgcccc caggggcaaca ccagcccat 540
agtccctgtc tctagcccc tcaaccaggc tccaagtgg gtaccctaac tcacagctct 600
aactgtggcc tctatctact cagaactcct ctgggataaa gctgggacat cttgtgtggc 660
tatttggcct tcaacttccc tgaagtctctg cccagaagag 700

```

```

<210> 1892
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1892
gtattagagc tctgtgcccc caggggcaaca ccagcccat agtccctgtc tctagcccc 60
tcaaccaggc tccaagtgg gtaccctaac tcacagctct aactgtggcc tctatctact 120
cagaactcct ctgggataaa gctgggacat cttgtgtggc tatttggcct tcaacttccc 180
tgaagtctct cccagaagag cagtacaagc ctgacgtcta aggtcgaagg gcacaaagta 240
cccagagcca ttaatgtggc ccaatgcac agatcagaat gaagggtta atcatgtgtc 300
aaccctcatc ccaggctggg ctctttaaac aaaatgacag gcaaagggtta ggctgtgcaa 360
agggtacctt ggccacatgt gatggacaac agggactcta tcagtggcct cagtgttggg 420
gttgatgtca gaaaggctct ggacctatag aacatgcccc ggaagtgtga tttgtcttgg 480
attgttggat gcctggcttt gggctcaaag caaaagaagc ccagtgggga agctgggcct 540
ttgatacact tttcattctg tgggggagtt ggtgggggga ttagagctct ctgtacacaa 600
gagggcagat aggggaagctg gtctggggta gaaccctggg agtgagagca cagggtagct 660
cactccagcc agctcaacag gctgatttac tgcagagccc 700

```

```

<210> 1893
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1893
gggctcaaag caaaagaagc ccagtgggga agctgggcct ttgatacact tttcattctg 60
tgggggagtt ggtgggggga ttagagctct ctgtacacaa gagggcagat aggggaagctg 120
gtctggggta gaaccctggg agtgagagca cagggtagct cactccagcc agctcaacag 180
gctgatttac tgcagagccc ttgtgtgtg ggtgtgtgtg gtgggggcgg ggaggagtgt 240
cgttgggggc caggcatagg tcctggcata gcaggcaaga tagggagcag agtcagaaag 300
cttgagggtg ggcaagtgtc caggagaaga aatgttggct cagaaagtca aggtggccct 360
catgtcttga tccccagag tctgcatgtg tgagggtctg agatgggggc tgcagggcag 420
gactcagggt ttcactctga ctgagcaggc ctggtacatc atcactcaat gtccagagcg 480
caagatggtc catatttttg gttgaggaag ttatgggctc aagagattaa atcactttct 540
ggagcacagc atagtatatc ctccctctct ctcttttatg ggtaaaatta tgagcataat 600
tctcaacca gctctgtaat agtagagaat gtgctctcat ctgctccatg gccagtgaca 660
ttttggggct gaaatgctca gagtggaaca ggtcagtggg 700

```

```

<210> 1894
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1894
gttgaggaag ttatgggctc aagagattaa atcactttct ggagcacagc atagttatct 60
ctccctctct ctcttttatg ggtaaaatta tgagcataat tctcaacca gctctgtaat 120
agtagagaat gtgctctcat ctgctccatg gccagtgaca ttttggggct gaaatgctca 180
gagtggaaac ggtcagtggg cctctggctc catccatgcc tggtttggaa caaaggactg 240
gggaagggaag gaaggaagga aggaaagaag gagggggacc tccacccac caccctccgc 300

```

tgacatcata	cactctgaga	agctcctgac	tcaggccccc	tctgaggcac	tcctccccac	360
tactccacta	ccactagggc	tgcccttggt	cagccacaca	gagtcaaggc	tgagggtgag	420
tcaggggcca	ggatcccagc	caagtgggga	agcttcagag	gtcactcatg	ggcagagcaa	480
tgctgacatt	cccccatcc	agcctgtatc	tcagtctgga	ggagggtgat	gaatgtgatc	540
cgттаатggg	aaaggaaacc	ccgggctcat	agagggtcatc	tgggcaccta	aggctccaga	600
ggctggatga	ggaccagctt	tgctgaactc	caaagatgga	gcacccctcac	cgtgtgccag	660
ggccaagcac	aaacaggggt	gacctcacag	gcctctccac			700

<210> 1895

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1895

agcctgtatc	tcagtctgga	ggagggtgat	gaatgtgatc	cgттаатggg	aaaggaaacc	60
ccgggctcat	agagggtcatc	tgggcaccta	aggctccaga	ggctggatga	ggaccagctt	120
tgctgaactc	caaagatgga	gcacccctcac	cgtgtgccag	ggccaagcac	aaacaggggt	180
gacctcacag	gcctctccac	catgtttaaa	ggctccaagc	cagtggctta	cctcccaccc	240
tgccagctca	gaggcatggt	tagctgtggt	gtggtttggg	gaggctttgc	ccacgtactt	300
ccacaggggg	tcattggaat	cccctcagca	gtgaacacgg	cagagctgat	aagtтatgcc	360
cgacttctgt	ggatcaagggt	gggcagggga	gtggggagat	cccactcagc	caggcttagg	420
ccaactgctt	ctcagagctg	agtaaagacc	caggacctga	gcaaggctgg	gtccccccac	480
ccccaccccc	agtggacctt	ctatcccagg	atcatttatg	gagcacagat	gggcttggtg	540
acccctgtgc	ctccccttct	tgattggctg	caaagcatta	cacagtcctt	agtgggaact	600
tttcccaaat	ccagatttaa	ccagggcaga	ggtgtgggcc	acggtggcga	cagctgtggc	660
agggcagctg	aggggctggt	aggagtagtc	agcagccaag			700

<210> 1896

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1896

ctatcccagg	atcatttatg	gagcacagat	gggcttggtg	acccctgtgc	ctccccttct	60
tgattggctg	caaagcatta	cacagtcctt	agtgggaact	tttcccaaat	ccagatttaa	120
ccagggcaga	ggtgtgggcc	acggtggcga	cagctgtggc	agggcagctg	aggggctggt	180
aggagtagtc	agcagccaag	ttaagggtct	gtagtcttag	gagagagccc	caaaatcaaa	240
ttttgtctacc	ccactccctc	tctgtgtgac	tttaagcacc	atctaacctt	tctgagcctc	300
acttgtctca	tctgtgaagt	ggggactata	gtagcccttt	tttaagtggg	taaatgaggg	360
ttaaatgagg	tggtgcacaa	gaaactactt	tgaaatggct	atcaagctgg	tactcaggg	420
gaggggaaag	gaatgaaaca	aatgccccag	aggctattca	aggtcttatt	tcagttgcct	480
gcaacacttg	ccataagtgc	cccaacacac	ttctagtcta	agttaaaagg	ggatttcttc	540
ccttcttaag	ctataactct	aaacagtatc	tgccaggccc	ccatgaaagt	gctactcctt	600
gggactgttc	ctggatgggg	cacccaggag	ctgaggcaga	gaggctgtgt	gaagctgggc	660
tcacccaaaa	tgccagctgc	ccataactgc	ccacctcgtc			700

<210> 1897

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1897

cccaacacac	ttctagtcta	agttaaaagg	ggatttcttc	ccttcttaag	ctataactct	60
aaacagtatc	tgccaggccc	ccatgaaagt	gctactcctt	gggactgttc	ctggatgggg	120
cacccaggag	ctgaggcaga	gaggctgtgt	gaagctgggc	tcacccaaaa	tgccagctgc	180
ccataactgc	ccacctcgtc	cttccatcct	cccagcccag	cccacctgtg	catacctgct	240
cacagacagt	gtgagggtgat	cgtggcagcc	cttgatgcgg	ttctgtgcct	ccagggtgtg	300
catgagctct	gtgctctcac	cattgatggc	ctggatcagg	tctcctgggc	acagggcagc	360
caatgcagcc	ttgctgccag	catggacctg	cgagcagaca	agccagatgg	ctgggcacag	420

```

tcatgatatg gtcttgctgc aagctgtgcc ctaggcctcc tccaacctca gaacctagcc 480
agtgtggcct gctaccagca tggcctgtgg atgggcaagc cgagtggctg gttgaggtcc 540
ccatgtagcc tggctgcagc cttgctggaa acacctccaa ctccagcacc tggaggcctg 600
gcagggcctg aggatataca agaagggtt cctcagggtt gggacaaatg gatgttgctt 660
ttgcagcctg cgtatgtgcc caaggacatg caggggacac                700

```

```

<210> 1898
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1898
tggcctgtgg atgggcaagc cgagtggctg gttgaggtcc ccatgtagcc tggctgcagc 60
cttgctggaa acacctccaa ctccagcacc tggaggcctg gcagggcctg aggatataca 120
agaagggtt cctcagggtt gggacaaatg gatgttgctt ttgcagcctg cgtatgtgcc 180
caaggacatg caggggacac agagacacat ggagacatag gtgctcacag atacatacac 240
agcatggaca tatcacagat accctacaca gacaaggccc caaccagaca gactacacac 300
cttgacctaa tattcaaacc cttagtgcac ttgccttcct acttgcttga tttcaactct 360
catccccacc tccacaccca cactctgtcc agaccatgtg aatgtctatg ggggtgtcac 420
aggcaccata tatcactcac ctctacactt ctgcaaaagc tgctccctcc acctggaaca 480
ttcctttgac tcccacatcc tcctccttca gatctcagca tagaggccac ttcctctggg 540
agcctctctg ggatctcact acccagtgtg ctcccatgac caccttttcc ccctacactg 600
ttcatgttaa tacttcatta taattaaaat gggaagggtc gaacatcacc tccctgagca 660
agtccagggc catccagttc cagctgacag cctgcgtttg                700

```

```

<210> 1899
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1899
tcctccttca gatctcagca tagaggccac ttcctctggg agcctctctg ggatctcact 60
accagtgtg ctcccatgac caccttttcc ccctacactg ttcattgtta tacttcatta 120
taattaaaat gggaagggtc gaacatcacc tccctgagca agtccagggc catccagttc 180
cagctgacag cctgcgtttg ggggtcagaa ttctacctct acttcccctg caggacagga 240
actcaggcta cctcagtgcc actattgacc cctcggggtc aagcagtgtt cacacctgga 300
agctcttaca atgctgggtc actgaagaag gctagaatgg ggggtggagt tagactcaca 360
gagatatcta agtaagcaac tcaggggaat ccaggccatg gagcaccctc caccctgcct 420
tgacccaac atagccttta gaaatatatt tcttaccag cctctccagc cagtgtccag 480
ctggttcaaa agctgtccagt gaccccatc ttttgggtgg gagctcctac tgggtgggaac 540
tcctggaagc ccagctaggc tcagttcagc caggtctcag tagtgagtgg acaaagctga 600
ggtgctggca gtccttggc tggaggcctg gtgttggcac tgcccaagct gacctgcctt 660
gaagtaggct gcctcaagga aacgtttctt tgaagcatga                700

```

```

<210> 1900
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1900
gaccccatc ttttgggtgg gagctcctac tgggtgggaac tcctggaagc ccagctaggc 60
tcagttcagc caggtctcag tagtgagtgg acaaagctga ggtgctggca gtccttggc 120
tggaggcctg gtgttggcac tgcccaagct gacctgcctt gaagtaggct gcctcaagga 180
aacgttcttc tgaagcatga caccctcanc caactagccc atcattaatg ttcacttgta 240

```

```

gggcctgggc acctgtgcaa gcctgtcatc ctgggggaga caccacttg gcaccatccc 300
accctcccct caaggccatc ctctgcctcc tccccttcat ggatacctgc cctgtgccag 360
ggcctgggct ctatgcttta cccataacta gctcacagca accctcaac cacctggtga 420
ggcagaggct gttctcatcc ctattttaca gatgaagaga aagaagcttg ggggagggat 480
gccatgcccc agtccccaca ctggagagga gtctttcttc agggggcggc taactgcggc 540
aggatgactc agccagcaca aggggtacat tcaggcttct gtgggcggag gaagtttctt 600
gaaagcagtg gtggctggga tgctgccagc tctattgagc taggggagtt ctggtcagag 660
agggcgtgag gccaaagaaat tgtgactctc ccagtcacct 700

```

```

<210> 1901
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1901
ctggagagga gtctttcttc agggggcggc taactgcggc aggatgactc agccagcaca 60
aggggtacat tcaggcttct gtgggcggag gaagtttctt gaaagcagtg gtggctggga 120
tgctgccagc tctattgagc taggggagtt ctggtcagag agggcgtgag gccaaagaaat 180
tgtgactctc ccagtcacct ttacatgcat tatctcatta atcctgaagg caagcccatt 240
tcctagatca ggaaacggag gtccagagaa gtacagaagg atagttaatt gataaaagac 300
tgaatcaaga tttcaatcca ggccacctga ttccaaattt aaaactatgc tcttaacacc 360
tgcatTTTTt ttccaaaggg ggtaaggga aagagagtat ctgagggaga gatagtgttc 420
caggcagaag gaccagcatg tataatggca tatctggaga gaaagaagaa ggaaggttgt 480
atggccggag catcatgagt gaggggagag tgggagagat gaagtcagag aagaggcagg 540
gatcagatat tgcagagtct tgtacacccg ggtgggaagc tggcatttct cctgggtggc 600
tggaaccat ggagggtctt aagcgggaag tcacaggaca gagtggaatt caggccgatc 660
cgtctagctc ctaagcacag gataaacaga aagaaggaac 700

```

```

<210> 1902
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1902
gaggggagag tgggagagat gaagtcagag aagaggcagg gatcagatat tgcagagtct 60
tgtacacccg ggtgggaagc tggcatttct cctgggtggc tgggaaccat ggagggtctt 120
aagcgggaag tcacaggaca gagtggaatt caggccgatc cgtctagctc ctaagcacag 180
gataaacaga aagaaggaac agagacagga acagtgaagt cagggtggcg gtgagggcat 240
gaatcagccc cttaccggtg gtggctgcat tcccacccc tgctccacc agcctagatg 300
tggtgggctg ggagtccaag tcagaaccag gtgccacatt gtcctacaca gtcacagcaa 360
actgcagact gcctggattc ctctgtctc cactctgctt ctctgggttg attacattag 420
cctctctgtg cctgggtctc catctatgta aggccagagg gagtccctac ttntaaaggc 480
tggtgtaagg actatttgag aaaaacaggg catgtaaagc cccacagga ggctgggcat 540
aaggtggtgc tctactacag gactggaggg agctgttacc aacacccatt agggtagggc 600
ctggcacacc ctggatgctt ggccaaggcc agccatcatt atagcttgtg ggggaaggagc 660
cccgatgatg gttcttggga ctctggagg cttcatgggc 700

```

```

<210> 1903
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1903
aaaaacaggg catgtaaagc cccacagga ggctgggcat aaggtggtgc tctactacagg 60

```

```

gactggaggg agctgttacc aacacccatt agggtagggc ctggcacacc ctggatgctt 120
ggccaaggcc agccatcatt atagcttgtg gggaaggagc cccggatgat gttcttggga 180
ctcctggagg cttcatgggc tgagattgca agccccagc cctgccgggc cgatagcctc 240
ctccctgtct gtgtgaggct gtccctccct accaggctcc gcgtagggga ggtcctggaa 300
gcaagggagg ggctggatct tgagccccac tggggaagac actcccatat atcttcagtc 360
cctgtagacc tgccccagag gtacctgcta ggcaagctgt ggctgtgcc tccccagcgc 420
tgtaaatctc cccagatccc acccaaaccc aacctcagcc atcctggctc cttgggcctg 480
agctgctgcc gcgtgacttt gggggacaaa ggaggctctt cctggcaaac cttctcccag 540
actgcctgcc tggggcctgc atccccagtc agctccaaac aaggctgttg ctgctgctgc 600
tgccgcagcc gcagctgtga cgtgtggagg cctttcctcg gagggcaggc agccgcgtgg 660
gcaacagatg tctcagctcc ctgccgcctg cagccgtcag 700

```

<210> 1904

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1904

```

gggggacaaa ggaggctctt cctggcaaac cttctcccag actgcctgcc tggggcctgc 60
atccccagtc agctccaaac aaggctgttg ctgctgctgc tgccgcagcc gcagctgtga 120
cgtgtggagg cctttcctcg gagggcaggc agccgcgtgg gcaacagatg tctcagctcc 180
ctgccgcctg cagccgtcag ccgccgccac tgagcctgtc agcggcctca cgcccagggt 240
gcctggccag cccgcttagt gtccccacca gccccctcag cggacacaca gcatgacaca 300
cacaagcaga cacaggcttg cgtacacaca cacacacaca cacacacaca gcaggaatcc 360
tataggaaag aggagatgaa aggtctctggg atgtgttgaa ggcccacctc actcggcccc 420
agggacctgg cagtgagggg agatgtggga agcctcctag gacagctggg cctgcctgtc 480
accctggccc ccagaaacgg gattccatga ttccacgctc cacctgggtg ccacccccctc 540
ccaagaactg gacagaagtc tcttaaagcc cagccggctt ggcccagccc ccatggcaag 600
aggtggcagt aggggtggggg aagggtcttc tctgtgctc tgacacaggc ccccaaagac 660
aagatcagcc tgtgtgggag caagggatgg ccgtcagatg 700

```

<210> 1905

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1905

```

gattccatga ttccacgctc cacctgggtg ccacccccctc ccaagaactg gacagaagtc 60
tcttaaagcc cagccggctt ggcccagccc ccatggcaag aggtggcagt aggggtgggg 120
aagggtgctt tctgtgcctc tgacacaggc ccccaaagac aagatcagcc tgtgtgggag 180
caagggatgg ccgtcagatg gtttcagggt atctcctctg ctccctccag actgagagcc 240
gccaagggca gggcctgggt tctctcctct tctgtccctt aggetgggga cccccaagg 300
cagggtctga gtccctctct ttggccctcc agacacgagg atgtcgaggc tgggccagga 360
tctgtctctc cctagacagg caccctctcg aacagggcct gaggcacctc ctccactcct 420
ctatcctcag actagccacg ctccagggtc gtgcgggctc cttttccttc tctgtgggca 480
aggcagggcc ctgggaaact tgaggaacgg gcctgaggct gtccctggcc cggtctttgt 540
gtcatcttgt ggggaggggt ctcaaacct cacagttaag tctccctttc ccctggaagc 600
caaaattcct cctggtcact tccccttagg gtgactgagg tcgtgaatga gagactgact 660
cacgccc aaa gtgggaagtg gatggacctc tgtcttctca 700

```

<210> 1906

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1906

```

tgaggaacgg gcctgaggct gtccctggccc ccggctttgt gtcattcttg ggggaggggt 60
ctcacaacct cacagttaag tctccctttc ccctggaagc caaaattcct cctggtcact 120
tccccttagg gtgactgagg tcgtgaatga gagactgact cacgccc aaa gtgggaagtg 180

```

```

gatggacctc tgtcttctca gattcagcga ggaccccaga cctccctggg tcaccaagct 240
ctgccggcag ggacccctga taggggaagg ggggctctaa atcattttgc cccagatctt 300
caggcagggg gtgagtctga agagtttctg ggcctctgta gagctgtcta gacccctggc 360
ccatctccgc gggtccttcc cgggtccaca gtggctcccc cagatgaggc cagcggggag 420
gcggtgctg gaactcttgg gagattcttc gcgggatcgg gcagacaggc ccagcgtggg 480
aggagggcgg ctggggctgc ctgcctctgc ctggaagccg cctctacagc atgcggggcg 540
cccaggccaa ccctccgcct tcaagcctcg gatacacagg ggatctgggt cccgggcgga 600
ccgcgagaac ccggtctcag acatgggacc gccctgccgc cacgcagccg ccagactcac 660
ccgtgagatg gtgaggggcg cgctgaagtc ccggccgccc 700

```

<210> 1907

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1907

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ctgcctctgc ctggaagccg cctctacagc atgcggggcg cccaggccaa ccctccgcct 60
tcaagcctcg gatacacagg ggatctgggt cccgggcgga ccgcgagaac ccggtctcag 120
acatgggacc gccctgccgc cacgcagccg ccagactcac ccgtgagatg gtgaggggcg 180
cgctgaagtc ccggccgccc accaggcgga agccccaggg cgaaggcccg cgcagggtca 240
cggaatgggg catcgcgggc tggagccgca gccggagcct gagccggact ctgaggagcc 300
gccgcgcgcg ccgcccgcctg gacgcccgcg cccgcccccg gccgccccgc ccctgtcccc 360
actcggccca gccccgcgcc ccgctccctg tgcgctgga ttggccccgc ggccagcccg 420
accctcccac ttcggggggc tctgaggacc cgccctcagc cccggctgcc ggcaaccgag 480
caccaccaact cagctctcag agatccccgc gttcggacgg ccccgacggc ctggatcctg 540
ctcgggcctt ggatctgcag gccgcggacc caaaccagc tgtcgacacc ggccctttga 600
agtcgctttt aggggcggtg ctccagccng aggagggatg gagggccac ttgggggatg 660
gggctgcccc agctcagata cctcctcatg ggcccagact 700

```

<210> 1908

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1908

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agatccccgc gttcggacgg ccccgacggc ctggatcctg ctcgggcctt ggatctgcag 60
gccgcggacc caaaccagc tgtcgacacc ggccctttga agtcgctttt aggggcggtg 120
ctccagccng aggagggatg gagggccac ttgggggatg gggctgcccc agctcagata 180
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acgacagcag gcagcgccga gcgtgggagt ggacacagaa aggtcctcag actagtttgt 360
ggaggccagt aaggcttctt ggaagagggt gtccctgact tgtatctgga agcaagggtg 420
ccctgcttcc ccagaacatt caggccttct cttgctgctt gcaggctcct cgaggccac 480
ctccctgtct gcacagcccc ctcccctcgt cttttgccag gagatttgtt tcccaggtc 540
tcctgagaaa gtagcagctg gagcggtggt ggtcgtggct gtgcagtgtg aagggaagaa 600
atatatgcag cgcttcaact tgggcccttt tctctccaag gtcttctctc cattcccaac 660
cattatcctc cggggatgta cttgaacagc caatgcagat 700

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<210> 1909

<211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1909
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tgggcccttt tctctccaag gtcttctctc cattcccaac cattatcctc cggggatgta 180
cttgaacagc caatgcagat gccatggcac caccaacctc cctctgggtc tctcggcact 240
tctatctggc tacatcaggg agacacctt tacttttcca gactctgtgg aggtctctca 300
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agaggagaa tgcttgagaa gcacaaacct agggcagtc aaggaaggga ggggcccttc 480
anagtagaat gtgggtgcct ctgtaggagg caagatgctg ctatctgttc agctgggaga 540
gaaacaagt gtgtgtggt gcggtgttta tatgggagtg tatttgggggt gtgtgtgtgt 600
gggggggtgc ggtgtctgaa tccattagag caccagccat tgggctgttc tccatcactt 660
tgtggtggag gaggtttctg ctccagccct tgcagacttg 700
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<210> 1910
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1910
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tccattagag caccagccat tgggctgttc tccatcactt tgtggtggag gaggtttctg 180
ctcagccct tgcagacttg gatcccaagt gaagaaagg ggaagggcca gcaggagagc 240
tggtcactgc attgtctctc tgaggctctg aggccagaa ctccccagga cttagaccct 300
actaaatgg gtagagagta aggggcagcc atcacttatc actggctgtc ctgagggttt 360
ggtgtacagc atggcttgtg gtcagaggcc tgtcagctgg gctccaagag tccagtga 420
tgtaaacagt gcagaccctt tctgggggga agggatcctc aagggtctgt ggaagcttc 480
acccaatgta tcccaaagt aattcctgaa actcctcttc atacattgct tgtttcccc 540
gatttcacat cccaaagact gcctacactc cttgcctcca tcctgaaatt ccttcattac 600
ccgtttactt ctgtccgggg gaatgtgaag tggctcctct gaatatgacc ttctggccc 660
ctgagtctct gggcagtgtg atccatctcc aaaggcttct 700
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<210> 1911
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1911
aattcctgaa actcctcttc atacattgct tgtttcccc gatttcacat cccaaagact 60
gcctacactc cttgcctcca tcctgaaatt ccttcattac ccgtttactt ctgtccgggg 120
gaatgtgaag tggctcctct gaatatgacc ttctggccc ctgagtctct gggcagtgtg 180
atccatctcc aaaggcttct atcacaagtt tggaggtgga ggtgggggtg ggactctgga 240
tgaatttttt agaactctgt ccataaactt cccatttca ttgggcagca tctggacaga 300
ttggaatgat gcaggatccg ggtccaggcc agtcattccc tcacatgagc tcatgttgac 360
atccctgact taagagaaca tcagaggctt acttctgact gtgccttccc acaggggaga 420
tgccagggtca ggttctgtac ctggagtttg ggggtggccc ttcttagggg ccatgctgta 480
aaccactca taagggtacc tgagttctag gcagcaggtc agacaagctg cagattctat 540
ggcttctcca gctctcccga aagttcttta aggaagccct cagatttcct tttcccctgt 600
aatggccttg gtccttggag attgctgtat tgctgagacc ctatcatgct ggaataccaa 660
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gtcataaggc agtcacaggg tctggaagcc ctcttcaggg

700

<210> 1912

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1912

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attgctgtat	tgctgagacc	ctatcatgct	ggaataccaa	gtcataaggc	agtcacaggg	180
tctggaagcc	ctcttcaggg	tggggatgtg	tggtggccag	gtcacacatc	acccctgccc	240
tagtggcctt	cacgtattta	ctgcacaccc	atcagggtgc	tgtgctgctg	ggaataatca	300
gactgcttat	ttcatgcatt	cttcttctct	gcataagtac	gtattgagta	ctcagggatg	360
gggtccaggta	tcatccataa	gggcagaggc	tgtgtctgtc	ttatttattt	gtgtctctcc	420
agcaccgccg	agagaacttg	gcacacacaa	ggcattaaaa	aacatttgct	attaacaaca	480
ccacagttac	aggaattatt	atcttagctt	accctttgga	catgaccagc	agggacgcag	540
ggagggcata	agggggctta	ggaaggtgaa	gaattctgct	tctgttgcc	tcgaggccac	600
accagtggtg	tcagggcacg	atgcccaggc	cttctgtatg	cagccaggtc	tgtccaaggt	660
caggagaagt	cactgtgtct	tttcttcaat	gggcaggcag			700

<210> 1913

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1913

atcttagctt	accctttgga	catgaccagc	agggacgcag	ggagggcata	agggggctta	60
ggaaggtgaa	gaattctgct	tctgttgcc	tcgaggccac	accagtggtg	tcagggcacg	120
atgcccaggc	cttctgtatg	cagccaggtc	tgtccaaggt	caggagaagt	cactgtgtct	180
tttcttcaat	gggcaggcag	ggctggcagg	ctccagcagg	agcagacacc	cttgggaatg	240
ctgttgggcc	tgagcctaga	ataagaggga	aggattggga	caagaacaac	ctcaggctaa	300
gggtgaggtc	aacctggagg	acaatccagg	agagtgccca	gaattgatgt	agccctgagt	360
ggggagggtg	ggtggagctg	atgaggcagc	ccatatttga	ggataccttc	ccgtgaggcc	420
ctgggggcta	gccagagagc	tcagctgctg	accgcctcct	ccctggcctg	gtggcctcag	480
gtctctaggt	agagtctgct	ccattctggc	tcagctcctg	gaggccaaga	catctctcct	540
tcaaggccca	gccccctctc	cccagccaag	agcctggatt	ccaaggggat	ctaaagcctt	600
gcttgggagt	tccatcttcc	tggaatgccc	agtcacagct	actgaccact	ccagggcctc	660
agcaaacagc	cagagagaac	tttagatgcc	ttcatttcag			700

<210> 1914

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1914

ccattctggc	tcagctcctg	gaggccaaga	catctctcct	tcaaggccca	gccccctctc	60
cccagccaag	agcctggatt	ccaaggggat	ctaaagcctt	gcttgggagt	tccatcttcc	120
tggaaatgcc	agtccacagt	actgaccact	ccagggcctc	agcaaacagc	cagagagaac	180
tttagatgcc	ttcatttcag	tgtgacctgt	ctgggtccagc	tccaccacga	tgtctgtctt	240
cttagaagcc	tgctgggtcaa	ggccagggaac	tccaatgggtg	gagaggaagc	agtctgtggt	300
gggcacagct	ggatagaggg	ggcagcgtgg	gtctcctgca	gggctagaac	tgccgcttag	360
agtacagagg	agttaaggca	ggcccactgt	aggcaggggt	caagggtctt	gcaaggggta	420
gaggcagcca	caggcatggg	caccaggcaa	catccaaaag	gaaggctctga	gacagtacag	480
cctgtgaggt	gggctggggg	ctgatgcccc	gcatatcctg	gaaggacagg	actcagtcag	540
gaggcaacaa	aactggctct	ggagccgtgg	ttgggttcagc	agaacacaca	ggggagggcg	600
tgctgtggc	aaagggcggt	tcccagctct	agttttgtgc	cattcaatcc	ctcaacaaac	660
acttattgag	tgccctgctct	atgtccagcc	cagacctggt			700

<210> 1915
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1915
 ctgatgccca gcatatcctg gaaggacagg actcagtcag gaggcaacaa aactggtcct 60
 ggagccgtgg ttggttcagc agaacacaca ggggagggcg tgcctgtggc aaagggcggt 120
 tcccagctct agttttgtgc cattcaatcc ctcaacaaac acttattgag tgcctgtctc 180
 atgtccagcc cagacctggt caactaacct tggagtgtgg tggggattct ccaagctgcc 240
 acacctctct aggggctgag atgctggagg ctccagaggg ggtcagtcct tgaggatcca 300
 aacaggggaca aagctggctc tgccaactgg gacccagtta ctggccctga gccagattcc 360
 agggcgggaca caagagcaga accaactctc ttcaggaaac tgagcctggg ggaggtgtgt 420
 gaccaccaca cgctcacaca gtttcaagtg gtaggtctgg ggtttttagac cctgtgttgg 480
 tgcctttgtg ccatgtgcct tgccccaggg acagatgtgt ctgagctgga cctgcagtc 540
 ccatcagcac ccctgtcaga cctgctcttt ctctgttttc acagagaaaa ccagtctgct 600
 ctgggaccca acaaaggggt tgccaggcag cagggcgggg acaggtttac ctagctgggc 660
 ccagagagggc cctggccctg aggcctgggt gtagaaaggt 700

<210> 1916
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1916
 tgccccaggg acagatgtgt ctgagctgga cctgcagtc ccacagcac ccctgtcaga 60
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 tgccagggcag cagggcgggg acaggtttac ctgagctggc ccagagaggg cctggccctg 180
 aggcctgggt gtagaaaggt gttgggagga gtggcatctc acacgggtgg ggtggggggg 240
 gtgggagggg gaaggcagct gacaggtggg agagccagag gtggctcagc gcagccccag 300
 cagggaagtg acagaacagg ctgtttgtgg tggcagcgag gccatgtga tggagccttg 360
 tgcaactggg gcctcaggaa ggcagcttgc aaaagcatca cagcctcacc tctgcctcaa 420
 ggagaccccc atcctttcac ccctccact tctcattcag gccagaggat tcgggcagcc 480
 tgccggccat cccttagtct cccccagcat cagatgtccc aagtctacct gtagtccata 540
 aatagaggcc caaccaggt gtcttcaggt ttccagtttc tctgacagc tggagccttc 600
 ccttagtctt gcctcttggt gtctgtgagg agaaggtgcc tccatttaca aatcagctcc 660
 tccaggcaga gcagcagagg gattgcagag caactgtacc 700

<210> 1917
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1917
 cccccagcat cagatgtccc aagtctacct gtagtccata aatagaggcc caaccaggt 60
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 gtctgtgagg agaaggtgcc tccatttaca aatcagctcc tccaggcaga gcagcagagg 180
 gattgcagag caactgtacc atgtgctcat tctacgcct ggacctagaa tgtcttggtc 240
 gtggcctgac catcactgtg cctggacaaa agcaggggtg taaaaacctt tccttctcag 300
 cccgagagag agagacgctg ctataaggtg caggttaaggc ttgagcaaaa gtgcagggtt 360
 gacaagaagg agacggacat acatgcagcc cagaaattca gttactgggg ctctccagac 420
 atactctgtc actcatctgt cagctggggc ctggactcat ggcccagctt tagccctgcc 480
 ccagcgacaca catccacaga cactcaaatt tagcagtac ctggccagga ctgtctggtc 540
 tctggcctga ggccccctct tctcttcttg accactagaa ctgacatcca gggctactca 600
 gaaggcagga gaggcccatg ctacttccat atttcttctt cccatccttc tttttttttt 660
 tttttaatag cagctagaac gagcttgagg cactttcata 700

<210> 1918
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1918
cactcaaatt tagcagtgac ctggccagga ctgtctggtc tctggcctga ggccccctct 60
tctcttcttg accactagaa ctgacatcca gggctactca gaaggcagga gagggccatg 120
ctaactccat atttcttctt cccatccttc tttttttttt tttttaatag cagctagaac 180
gagcttggag cactttcata tttctacgtt cccaataaaa taaaaaagga agaaatgtga 240
aaatagtgtt tcaagaatta tggcatttgt tacttctgct ttgtttattt attcatcaga 300
tatttttgag agcctcctat gtgtcaggca ctgttttagg cctcagtgtt aaactattaa 360
gttttattta tttatttact tatttattta ttgttattat cttttaaaaa gagacggggt 420
ctcactatgt tgtccaggct ggtctcaaac tcctgggctc aagcaatcca accaccttgg 480
cctcccaaaa tgctgggatt acaggcatga gccactgtgc caggccttaa gtctttataa 540
tacatattta aaatggatag cctcatttgg aaataacttc aaagatttaa attccagtct 600
tcctgggttct tcgtctcagg agggaccccc ataactcctg atgcccatga ttttctcact 660
ggtatagatt agacctctgt ctcttgatcc tgaggggtcc 700

<210> 1919
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1919
acaggcatga gccactgtgc caggccttaa gtctttataa tacatattta aaatggatag 60
cctcatttgg aaataacttc aaagatttaa attccagtct tcctgggttct tcgtctcagg 120
agggaccccc ataactcctg atgcccatga ttttctcact ggtatagatt agacctctgt 180
ctcttgatcc tgaggggtcc tgggggctgt gattcagatt ggcagagggt gtgaagctct 240
cctcaggagt ctggctagca taggcctgtc gctagcctat cctccctgcc ccatccttcc 300
tatctcttac gattggccct ctcccctgca gtgccagctc ctttagtcac tgattggtct 360
tggtgaagtg ccctgccccg tgggtgccag cactgcccag tgggtgactga gtcacaggct 420
ggcggggact gtccaggctg acctcacctc caggcctggc cataggacgc cagctgtggc 480
cactgggtat gagcctggcc gcctgtgttg ctgggagagt caggcagagc catgtcgccg 540
agtcagtag ctgccagctg gccgagaggt ctgggaatcc aggtgcaggg ggccataggg 600
attaaagtgc gaagagccag atccaggcct gtgaggggtga agctgggctg aggttgctgg 660
aggctcttga gagaatggat tggagcaggg cccatgagtc 700

<210> 1920
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1920
gcctgtgttg ctgggagagt caggcagagc catgtcgccg agtcagtag ctgccagctg 60
gccgagaggt ctgggaatcc aggtgcaggg ggccataggg attaaagtgc gaagagccag 120
atccaggcct gtgaggggtga agctgggctg aggttgcctg aggtccttga gagaatggat 180
tgagcaggg cccatgagtc agcctcatgt cctgggtggc tattttcttg gcttctaaga 240
aaatcaaaat tctttctcac ttcccctccc aagactaggt ccatagctgt gtagattcag 300
gatcagcagt gtggagtgg aggcagagct ttcatggga gtgggactga aatcctcaca 360
ccctgcatct ctcatacca cccgcaatgg taagagcatt cacaggactt gagcttccag 420
caagaggatg cctgatcaaa ttgtttgccc cctgtgaaat caccatatta atgggaagat 480
aggcttgctt aggaacaacg gagtttgtgc ctctcctgca ggagaaacca ggagctctaa 540
gagaatgtat aatgagaact tctatgtgtg gagagttaa caagaagctg tctcatccca 600
gggaagatga acagaaaatg gcgatctgg gcttgaagtg cacacagtgt tggaaaaggc 660
cccacctaag gctctaggac cagcagctccc tgagaagtag 700

<210> 1921
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1921
gagtttgtgc ctctcctgca ggagaaacca ggagctctaa gagaatgtat aatgagaact 60
tctatgtgtg gagagttaaa caagaagctg tctcatccca ggaagatga acagaaaatg 120
gcggatctgg gcttgaagtg cacacagtgt tggaaaaggc cccacctaa gctctaggac 180
cagcagtccc tgagaagtag ctgtgtgtag gattaagaca agctgactgc ggagagctgt 240
gacattgggc attcaagcat gaagcattgt tggcccagag aggggtgcaca agcattctcc 300
ctcagagaac catggtgttc cagagccaga gagagatgga gagcttccac aatccttgtg 360
aagatctgtt atcctaacac caatatatcc cctttaagaa aatgggtggc cctgtaaaat 420
tgtcaatata gcaaatgggc tcccataata tattgaaaca ctattaccac cttgggggatt 480
ctttttcaaa ttacaagctt gatttaatat aaaacgtaat gattaatata ttagattaaa 540
agaagaaagg aatcttgtaa ttatctcaaa aggcattgac aaaattcatc agccattcac 600
acgataaaag ttagaaaacc atgaagagag gaaatgttct tcacatttta aagaacagat 660
ataaaaaacc aaaagccagc attagattta acagtctaga 700

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<210> 1922

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

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<400> 1922
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ttatctcaaa aggcattgac aaaattcatc agccattcac acgataaaag ttagaaaacc 120
atgaagagag gaaatgttct tcacatttta aagaacagat ataaaaaacc aaaagccagc 180
attagattta acagtctaga aagttctatt aatgggagaa tccaatgtcc tcttcactac 240
tggtgttcag tggtgctctg gaagtcctaa ccaggacaat aggggtgaaa gaagaaataa 300
gggagaagta aaggaagtaa gtaatagagt caaatgatc attatttgca gatattatga 360
ttttcctttc ataatatcca agagaatcaa ttgaaaaatg attatgacca gtaggagaat 420
ccagtaggag ggagcagagt agaataaatt aatatatgta tatagatttt aatagctttt 480
aagagtgtca agtcacaact gattggaaaa tgtgatgaaa acaatttacc attcacgata 540
atggtgaaac attaaaaata tctataaatg aattttgagt acatcaaaag cctataaaact 600
cttttctttt ttatttcctt tttcttatac tagtggtggt gagaacanag ggcctatgaa 660
ctttgatcta tgatatattt aaaagaagac aanangtgtg 700

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<210> 1923

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

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<400> 1923
gattggaaaa tgtgatgaaa acaatttacc attcacgata atggtgaaac attaaaaata 60
tctataaatg aattttgagt acatcaaaag cctataaaact cttttctttt ttatttcctt 120
tttcttatac tagtggtggt gagaacanag ggcctatgaa ctttgatcta tgatatattt 180
aaaagaagac aanangtgtg cagcgtatg tcatgtgtct ataaaaatca ntatttttaa 240
tttattagta aattcaatgc aattccaaac aaaatttgtg tgggggggag gaattgacaa 300
gatgattcta aggatcaact gaaaagtaag tatgaaaaaa acccacaat attggattaa 360
gagactaata aagtaagatt tgccctataa gaaagtatgc aatagagcta aaataattaa 420
gaatgtgata gcagcatagg aaaagacgaa tatgttagtg gaacaaaaga gagtccatag 480
catgagataa agaaaacatt ttaattcagg gaataaaagg tagtttactc aataactcat 540
gttggggcca ttactatta tgcataaaaa ataaggctat aattctatat gctatataat 600

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ttccacatt ataaagtaaa tcccaaatgg attcatgatc tatatatattt aattttccca 660
atgtgaatgc ttttataaac tactcatatg ctttaccaga 700

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<210> 1924
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1924
ttaattcagg gaataaaagg tagtttactc aataactcat gttggggcca tttactatta 60
tgcataaaaa ataaggctat aattctatat gctatataat ttccacatt ataaagtaaa 120
tcccaaatgg attcatgatc tatatatattt aattttccca atgtgaatgc ttttataaac 180
tactcatatg ctttaccaga aatgactggg aaaaaaatat atagattaat atttttataa 240
tcatggtgct acggtttgaa tgtgtcccc agagttcatg tgttggaac ttaatctaca 300
atgcaacagt gttgagagggt gggctcttac gaggtgataa ggtcatgagg gctctgcccc 360
caatggatta atgccaacag aggtggggtt gttattgtgg gaatgtgtcc ttgtgaagga 420
ggagctcggg ccccttttgt ctctctcacc ctctagcctt ctgccatgga ataatgcagc 480
aagaaggccc ttgaaagatg ctggcacctt gatattggac ttctcagctt ccagaatttt 540
gagaaataaa tttcttttct ttataaatta ctcagctatt ggtattctgt tatagtaact 600
tgaagcagac taagacttga ggtgagaaac atctctttcg tgaagataaa tacttgaaat 660
atgttttcct gttacatata gatttcaaaa atcagagaaa 700

```

```

<210> 1925
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1925
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ggtgagaaac atctctttcg tgaagataaa tacttgaaat atgttttcct gttacatata 180
gatttcaaaa atcagagaaa tatgctgcaa actggttggtt gtttttggtt ctggggatgg 240
tattttggga catttacttt ttctgagtta tatatttgta cagtgtttta atttcatata 300
aataaatatt actgtttgta attagaaaaa tgaagataat aaaaaggaaa ataaagacaa 360
cagaaggaca aatactgctt cttatgtaag aaccttaca taatacactt ccatttactt 420
ctcccttctt ttttgctaatt gttgttggtc gtttacctct gtatttgcta taaactccat 480
aataaatact cattattttt gctttaaaca gtcaactgtc ttttaagtaa tttaaaaaac 540
aagaaaacct attttctatt tacttgtagt gtttactggt agcacttggt cttttgttta 600
gagctgaatt tccaacagggt atcaatgagc cacctcagca gagaaatggc ttatttcctt 660
tcagccttaa gaacttcctt taggccatgt gcggtggtc 700

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<210> 1926
<211> 700
<212> DNA
<213> Homo sapiens

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gattgcctga gctcaggagt tccagaccag cctaggcaac aacagtgaac ccctgtctct 300
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gtggctgagg caagagaatc gcttgaaccc aggaggcaga ggttgcatg agctgagatc 420
gcaccactgc actccagcct aggaacacaga gtgagactcc gtctctggaa aaaaaaaaaa 480
gaaagaaaaa aaagaacttc ctttaacatt tccggtagta cagacggact ggtgatgaat 540
tctgtcagca tttttttaag atcccgaagt atttttatatt ttcattcccc accctgtccc 600
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gctggagtg c agtggcacga tcttggtcct ctacaacctc 700

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<210> 1927
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1927
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 agacgggggt ttgtcatggt ggccagactt gtctggaact cctgacctca gctgttccat 360
 ccgcctcagg ctcccaaagg gctgagatta caggtgtgag ccaccgtgcc cagcctctca 420
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 cctggtaaga aataaatggg gattctaata gttgtttccc ttatgtaatg tgccatatatt 600
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 tgtagttccc ttgtttttat cttcttttga gttttaaaac 700

<210> 1928
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 <212> DNA
 <213> Homo sapiens

<400> 1928
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 ttctatttgg ttttaagatt ttgactatga tgttcctaga tgtagttccc ttgtttttat 180
 cttcttttga gttttaaaac cccagcttct tgggatggtg tattaataat tttttaaatc 240
 aaatatagaa ttctatttac catttaaaag aatttttttt gccccaatct ctttctcccc 300
 tttccttctg ggactccaat tttatgtata tattagatta catgatactg tttcaaggctc 360
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 cttgacttca agttcattga tcttttccatt tgtagcatcc agtctactca taagtttatc 480
 tagtacattt tccattttgt atattgtatt tttcaattct agaattttca ttcagctcct 540
 tttttatagt tttcatttct ctgctgagat agctcatctg ttcattttatt atctctatct 600
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<210> 1929
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1929
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 catatttata atagctatatt aaagtcctca tctgctagtt ccaatatctg tgttacctct 180
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 aatttgagcc tgaggcttgg ttttaggctt tattatggca ggtctaagat actgctgatt 420
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 cctctagaat ccccacttag ttcttagacc cagagaagtt ttttttgtgt gttttttgtt 600
 tgtttgtttg tttggttgtt gtttttaatc cactaggcct tatggaatct tgctctgcat 660
 gtgaggctta gacaaagcct caggagcacc tctgtatagc 700

<210> 1930
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1930
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 gtttttaata cactaggcct tatggaatct tgctctgcat gtgaggctta gacaaagcct 180
 caggagcacc tctgtatagc tttccagagc tccttctttg tgtagctcct tcttctttga 240
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 tcaagtgatc cttctgccta agcctctgga gtaactggta ctacaagtgt gcaccacaat 480
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<210> 1931
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 <212> DNA
 <213> Homo sapiens

<400> 1931
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 aagagtctga gcttcactc aaagcagctg ggccagttga gcataccctg ctgtagtctt 480
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<210> 1932
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 <212> DNA
 <213> Homo sapiens

<400> 1932
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 gtagtgagtt ccacatttac ctttgccttt tccctagggg catttcacac attgttactt 240
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<210> 1933
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 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 1933
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 ctgagcaaat tgtagtagtc ttaaagtgtt ggggagacaa attggaattc aacttctatc 300
 aaggtagaga ggccttggtta aatgcgtagg tgttctgcta agtcccagaa gggtcacaca 360
 ctaggagaga gggtcacatc cttaggaataa gagatatgtc ctaggacaaa aaagaaccac 420
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 ctttccaact tttcatccaa aatgtgtgtc atctaataga gaagtatgag acatgctaaa 600
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<210> 1934
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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 aaaaaaacag ggccaaatga ctaaaaatca agagaaaagg cagacaatgg aaatagaccc 180
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 taccaggaaa gccaaagaaa tccacagacc ctttgaagga actggatcac tactgcaggc 480
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 cctgtgactg ccagctttct cccacttccc tggcaaacct 700

<210> 1935
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1935
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 tggccttttg gactgtgggt tgcacaggag caggggtgagg cctgtgactg ccagctttct 180
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tagcccagta gctcagctag gtggctagac ccagaagagc 700

<210> 1936
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<212> DNA
<213> Homo sapiens

<400> 1936
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acaacagccc ttgaattcca gacctgccct ctgacatagt ctacctaaat gagaaaagaa 360
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<213> Homo sapiens

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<210> 1938
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<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 aaaatatata gacttctaca attcagtga gaaaatgcag aaatcccaat aggaaaatgg 360
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 ctctcattca ttgccattgg gaatgtaatt ttgttcatcc atttagaaaa atggtaatat 600
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<210> 1940
 <211> 700
 <212> DNA
 <213> Homo sapiens

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 catgtcttat gacctagga tttcactcct ggatttttat tatattttaa taagtgttg 180
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<210> 1941
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 <212> DNA
 <213> Homo sapiens

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<210> 1942
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<212> DNA
 <213> Homo sapiens

<400> 1942

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<210> 1943
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 <212> DNA
 <213> Homo sapiens

<400> 1943

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cttccccctg	ctgactatgc	agggagaccc	acacctcatc	ctcctacctg	accactcggc	360
aagtgagtcg	ccccttctgt	agtctccctc	agcctctgcg	attcaccgtc	aatttcttca	420
tctgtgcctc	ctctcccccc	ataaaacaaa	acaaacaaac	aaacaaacaa	aaaacaacat	480
gagctccatg	caggcagggg	gtttttctga	ctcatctctg	tgtccctggg	taccagggac	540
tggacacaag	ggagggtgtc	ggggatgtct	gttgactgac	tgaatgtgag	taagtggagg	600
tgtagagggg	tcctgaagcc	ctaggctgag	tgaccaagta	tggaaaccct	gcttgccaca	660
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<210> 1944
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1944

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ggactgcccc	tcctgcttct	ctggctcttc	tctccagga	gctcctctcc	acagagccag	600
gatattctgg	gtatgttcag	agttcaagg	ctccccatct	cctttcctaa	cttactgca	660
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<210> 1945
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1945

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agttcaaggt ctccccatct cctttcctaa cttcactgca ttactagtcc ttggtgttcc 180
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ccaacctcat ttttgcaact acagctctgg acaagaagga agcagctccc ctaaaaagat 600
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<210> 1946

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1946

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acctttgccc tgggacaaaa atagctgttg gtgcccagg agagagtgca gagaaaattc 180
cagaacttga tgagggcagg gtgtcaacct ggcctacagc tgttgggtga ccactggtgt 240
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tgcaactagc tggttcaggg tcagagtaag taataaggcc agagcctggg ccaaagtcaa 540
tatcaggctc tggttcagag tcaagattaa gggcagagcc agaggacaaa ggacagaacc 600
tctccttct catgtgaaag gccagatcca cagcttgcg tatgcatgtg aatccctctg 660
tgcgtgagca tataaatgtg tgtgtgtgtg tgcgtatgtg 700

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<210> 1947

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1947

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gccagatcca cagcttgcg tatgcatgtg aatccctctg tgcgtgagca tataaatgtg 180
tgtgtgtgtg tgcgtatgtg tgtgtgtttg tgggtgagag ccctcttact agaggctatg 240
gccaagtgc tctgttttcc aggcactaga agctcaggga ttatcaagct tctcacaggt 300
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gtgtggtcaa gtttaaaatg tatttatgtg ggatgtgggt gtgtggaata ggtttgatgt 480
ggaatgaggt agtcaggacc tttggaggaa tgagtgcctt ggctccttg tgggtgggtaa 540
gagtcaccag gcagtgtact gcagggccac aaggcagggc tgactagcaa gttcaaattgc 600
tgggtgtctac tgaagggaag gggagatcag agctgcaact ggagctgaca ctagcagggc 660
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<210> 1948

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1948

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tttgaggagaa tgagtgcctt ggctccttg tgggtgggtaa gagtcccagg gcagtgtact 60

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ccacaggagg gtttagggtc cttgagacag gagtgagcag gcctcagcca caccagtgat 240
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cgcgtctggc caattttttt ttttaattag caaaagatac tcccttttca attcacttta 660
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<210> 1949
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1949
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ttttaattag caaaagatac tcccttttca attcacttta tttccatcta ctgaaaactt 180
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tgcaccaatt gagcaatgtt tgattgggct aggatcactc atggatagat tcatggacac 300
cagtcttgct cctgaaagga tataaggtgc cttacaaaca agtttcatta tagcaaagtg 360
aagtacattc atttaaaaaa agagagaggc agcctgggca acatggcgag acctcgtctc 420
tataaaaaa aataaaaaa tggccacgtg tggtagcgtg tacctgtggg cccaccagag 480
aggctgaggg aggaagattg cttgagcctg ggaggctgag gctgcagtga gcctctgaac 540
tccagcctgt gttcgtacac tgcacttcag cctggagaga gtgagacca aaaaaaaaag 600
tgagtctcaa aaaaaaagtg agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaagg 660
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<210> 1950
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1950
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agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaagg agaggaaggg tggcaccagg 180
agagtttgtg ctgaaactgt cattaatgt gtggttacct cgcaatgaaa ggagtctcgt 240
atttgaggaa gccagacact gtgattagga ttccatgtca gcctgaaacc cagaagagtg 300
ctggcgtgtt ctctggaggc agccaathtt cactctctgt tcttgtactt tctgggggct 360
gccactaatt tcctttagca agggctgctc tagggtaaca gggctgaggg ggcttgatg 420
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atttacagaa taaatgaatg agcaaaggaa catagccctt cctactttac gtcaccaatt 540
cttaactatc cacttctctc tctattcatt ggcagttccc agttcaggtc accatcagct 600
gtcaccccg ctcagccaag ctctgctcct ccttctcccc cactcaccca cagtagaaag 660
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<210> 1951
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1951
agcaaaggaa catagccctt cctactttac gtcaccaatt cttaactatc cacttctctc 60
tctattcatt ggcagttccc agttcaggtc accatcagct gtcaccccg ctcagccaag 120
ctctgctcct ccttctcccc cactcaccca cagtagaaag ggtgtttttt ccaaattccc 180

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aatcttatacc tgccttctccc ctgccttttgc tctgggggtgt ctgctccttg tcttcagcct 240
cacatccaaa tccttttttg tggcccatga ggcctcaggt gatctgtccc tgggatctct 300
gcagcttttac ctcttattac tcccctactg tctgctccac cattgttccc caatcaagag 360
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aaggctgcca taacaaaata tcacagcctg agtggcttaa acgatagaaa ttcattttct 480
cgtagttctg gaggccagaa gtccaagatt gaggtgtcat cagggcgggt acctgatgag 540
gcctgtcttc ctggcttgta gatggtcacc ttcttgctat gtccctcacat ggcctcatct 600
ttgtgcaaat gtggagagat acaactctct tgtctctcct cttcttataa ggacaccagt 660
cgtattcaag taaggcttca cctctatgat ctcacttaac 700

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<210> 1952

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1952

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gtccaagatt gaggtgtcat cagggcgggt acctgatgag gcctgtcttc ctggcttgta 60
gatggtcacc ttcttgctat gtccctcacat ggcctcatct ttgtgcaaat gtggagagat 120
acaactctct tgtctctcct cttcttataa ggacaccagt cgtattcaag taaggcttca 180
cctctatgat ctcaacttaac atttattagc tttattaaac tttttatagg actaatctct 240
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ccttttagat agtagctaca tcagatgccc aatagctatc cttaaccctc accttatcac 360
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cagatttcaa gcaccatgcc tagctaaact ctgccctctg gacatttgca ctagtccaga 540
gcctctcgcc caggatggag gtgaagttag gaggaaagt gtagtgtaaa ctcactcttt 600
acaccatggg gggcctgccc tggacttgct gtgtaattgc agttcctgaa ggtcttgga 660
tgctgtaat gacaactcag cctgattgct gactctgctt 700

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<210> 1953

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1953

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tagctaaact ctgccctctg gacatttgca ctagtccaga gcctctcgcc caggatggag 60
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tggacttgct gtgtaattgc agttcctgaa ggtcttgga tgctgtaat gacaactcag 180
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aatgtaccga agaatacaga tgtgtatcca catatacaat gccctctgtg tggcattggg 660
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<210> 1954

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1954

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gagtcaaagc gccagccaac tgagacacac tcggctcttc ctcagtctct aaggggagaa 60
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tgtgtatcca catatacaat gccctctgtg tggcattggg tgaacctgag ggccttgctc 180
tgggaaattc catggaaggc cagatagtcg taaaccctga ccacacctcc agctgctgca 240
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agcttgcccc	actcccccttc	cccaaaacag	ggatcacagg	tgagtaggag	tggaggaggc	360
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tcctattcat	ccaatttcct	gtccgcccag	cacagatgtt	tttactatcc	cttctgggga	480
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gagccattgg	ccagggatat	tgcctaggga	cagcatggag	gtagagcctc	atgttgcaat	600
gccctggcca	tgctgggggtg	aaaggtcata	ggccatgcct	gatcttgagc	ctaggaaggg	660
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<210> 1955

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1955

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aaaggtcata	ggccatgcct	gatcttgagc	ctaggaaggg	tctctaagac	tgggtctagg	180
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gttcatacaa	tggatttggg	gagaagggat	gtgaatctct	ataacatgct	gtgatgtgtg	480
gctgttaaag	atggttgtgg	attcattaag	tgacacacac	tgggtgtact	caatgagggtc	540
tgctagaggc	cacaatagtg	ggaatgtcca	ctcattcatt	catgtatttt	tgttcaccaa	600
ttcctctcta	ggctctgggc	gccagaccct	atgctagagc	tggagacaca	gtgatgaaca	660
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<210> 1956

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1956

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gccagaccct	atgctagagc	tggagacaca	gtgatgaaca	ggttagaggc	agtcaccagg	180
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ggccagggaa	ctgaaaagt	cctggagtgg	ctgcagcatc	aagtttgagg	ctgtgcataa	420
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cccttgggtc	catggaatac	ctttgagagg	ttctatacgg	aaataacatg	atgggaatca	540
catggttaca	atgtcactct	gccctgtgta	atggagtaag	gatagaggga	gcggagtaga	600
aaagtgggct	aagatggatt	gtccaagtga	gagatgggtg	tgtcctgaat	ttggtctgctg	660
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<210> 1957

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1957

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ttatatgaga	ttttaaggaa	tttggtcag	ggtcggggct	agtttctttc	agtgtttcgg	660
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<210> 1958

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1958

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agctgttgca	gtggttccag	ggcctgcaag	agtcatcagc	attcaggagg	gcttcagtg	660
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<210> 1959

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1959

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ggcctgcaag	agtcatcagc	attcaggagg	gcttcagtg	caaacctccc	tggattacct	180
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ggggcagaga	ttcgtgtgat	acagccacaa	gccaagggaac	tcctaagcca	ccaggagctg	360
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gtcagaaatg	gtatcttctg	ggtggaggca	ggtagaggaa	aaggaatata	aaaacaaatg	660
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<210> 1960

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1960

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gcgggagccg	gggaaaaccg	gccccggaaa	agccccacct	gaatgcacct	gcccaggcct	180
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ctgaggtccc	cagctgtccc	ctcactgtca	catcccatct	tattgtcctt	atacgatgag	420
gtctccttac	tgagatcata	tccgtagtgt	cctcttttgc	ttatttgttg	gaggatttcc	480
ccgaacatga	cttgagagccc	ttgagagtga	gccctgactg	tctggtctag	tctcctggat	540

ctagaaccca	ccaacctcca	cggggggcctt	gtgactgttt	actaagtgag	aaaaggagta	600
gggtgagttc	gaggcatctg	tgaggtccat	atgccttctg	acctgctccc	ccacaggacc	660
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<210> 1961
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1961						
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 <212> DNA
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 1965

<211> 700

<212> DNA

<213> Homo sapiens

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<210> 1966

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1966

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 <213> Homo sapiens

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 gtgagtctga cggtagtag ctccctaaag gtttcacct aagcacctgc cctgcctgct 180
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<210> 1968
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 <212> DNA
 <213> Homo sapiens

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<210> 1969
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 <212> DNA
 <213> Homo sapiens

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<210> 1970
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<212> DNA
 <213> Homo sapiens

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<210> 1971
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 <212> DNA
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<210> 1972
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 <213> Homo sapiens

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<210> 1975
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 <213> Homo sapiens

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<212> DNA
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 <212> DNA
 <213> Homo sapiens

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 tgatcttcct ggcttatgat aggaaaaatc tcattttgca tgggaaaaga caatcaaaag 540
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 gctccaagta aaccctcttg gaatgaatgg aagatggaca gtctcagcaa agaaatagga 660
 gatataaaga atagggaagt aaaagttttg gaacttaaaa 700

<210> 1979
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1979

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aggaaaaatc tcatTTTTgca tgggaaaaga caatcaaaaag agaacaatga tgagatgttg 60
gaattaagta acaaagactt taaagtacta ctatgaaaat gctccaagta aaccctcttg 120
gaatgaatgg aagatggaca gtctcagcaa agaaatagga gatataaaga ataggggaagt 180
aaaagttttg gaacttaaaa atataagggc caggcatagt agttcatgct ataatcccaa 240
cactttgaga ggccaaggca ggaggataac ttgagcccaa gagttcgaag ctagcctggg 300
ccacaaagtg agaccccgtc tctaaaaaaa ataataagtt aggtgtgttg gcatgaacct 360
gtggtcctag ctacttgga ggctgagatg ggaggatagc tcaaacctgg gagttcgaag 420
ctgcagtga tctgtgatcac accactgcac tacagcctga gtgacaaagc aagaccccgt 480
ctcaataaat aaataaataa ataaataaat aaataaaaata taagaaccaa aatttcagtg 540
ctcactaggt aactcaagag cagaatataa atgagaggaa agaggaagcc agtaactgga 600
agacagacca acagaaatta tccaaacaga aaacagtgga gaaaaagatt tttaaaaagt 660
gaatagaacc tcagagacta gtgagacaat accaaaaggtc 700

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<210> 1980

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1980

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ataaataaat aaataaaaata taagaaccaa aatttcagtg ctcactaggt aactcaagag 60
cagaatataa atgagaggaa agaggaagcc agtaactgga agacagacca acagaaatta 120
tccaaacaga aaacagtgga gaaaaagatt tttaaaaagt gaatagaacc tcagagacta 180
gtgagacaat accaaaggtc taatatTTTat gtcattagag ttccagaagg aaagaagaaa 240
gagtgcagtg aagataaaaa tgtttgagga aatattgact aaaaacatct tcaatttgga 300
aaaggacata aaactgaaga atatatgtac atatatatat atatatatat acacacatac 360
atacatataa gcatacatgt accattgcta gagaaaaatg acacatcaca cataggagaa 420
caattcaaat gacttcagct tcctcatgag gagagaggaa atctcatcgt agagaccagt 480
aggaagtgga atcacatctt taaaatgaag aaaaagaacc atcaaccac cattctcttc 540
acaatttcaa gaatactcaa tgaaaatatg cctcaggagt gagagtgaat taaagacgtt 600
ttcagatgaa ggaaaactaa gagagttctt tgacaacaga cccgtcctaa aataattgct 660
acaagaagtt tttcagacag atgagaaatg ataccagaag 700

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<210> 1981

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1981

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taaaatgaag aaaaagaacc atcaaccac cattctcttc acaatttcaa gaatactcaa 60
tgaaaatatg cctcaggagt gagagtgaat taaagacgtt ttcagatgaa ggaaaactaa 120
gagagttctt tgacaacaga cccgtcctaa aataattgct acaagaagtt tttcagacag 180
atgagaaatg ataccagaag ttaacttgga atatacaggaa tgaaaaaaag accaacagaa 240
atggtaaaga tctgaggtaa tgcaacattc tgtgctgctc ttgagttctt taaaatacgt 300
tttatgggta aaacaaaaat tataacattt tttgatgggt ttttcaatgt tatatgtaga 360
tagcacataa gacaactaca acataaagag ggtagaataa aagaaactaa agttttacat 420
tacacttaaa atggtaaaat attgattcta agtagaccat gaaaaggtaa agacgtatat 480
tgtaatccct ggagcaacca ctaaaaaaca aaacaaaaac aaacagaact atacaagcag 540
ataaagttaa aaacacaata aatgtcctta aaatggtaga cacaatcca accatatcag 600
taattccatt aaatgtaaat gatctaagaa tggatcagc aaaaatggaa tagagaactc 660
caaaactcct ttttcataa aaaacagtgga aaaaaactgg 700

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<210> 1982

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1982

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ctaaaaaaca aaacaaaaac aaacagaact atacaagcag ataaagttaa aaacacaata 60

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aatgtcctta	aaatggtaga	cacaaatcca	accatatcag	taattccatt	aaatgtaa	120
gatctaagaa	tggtatcagc	aaaaatggaa	tagagaactc	caaaactcct	ttttccataa	180
aaaacagtga	aaaaaactgg	caaaatcaac	tttattagaa	ctctggagac	taataaaaaag	240
tttaataaat	aaaataaatt	ctttttttta	ataaaaataaa	ttcttttttt	tttttttgag	300
ggagagtctc	attctgttgc	tctggctgga	gtgcagtggg	gtgatcttgg	ctcactgcaa	360
ccccacctc	ctgggttcaa	gcgattctcc	tgccctagcc	tcctgagtag	ctgggattac	420
aggtgccctc	caccatgccc	agctaatttt	tgtattttca	gtggaggcag	ggtttcacca	480
tggtggccag	gctgggtctt	aactcttgac	ttcaaagtat	ccaccacact	cagcctccca	540
aagtgttggg	tttacaggca	tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	600
aaaacggcta	aatctcagtg	ggaaaacact	gtgggtgttt	aacatacctg	ggctccattc	660
tcctctttcc	cagcttggtg	gcagccttga	agacaacagc			700

<210> 1983

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1983

aactcttgac	ttcaaagtat	ccaccacact	cagcctccca	aagtgttggg	tttacaggca	60
tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	aaaacggcta	aatctcagtg	120
ggaaaacact	gtgggtgttt	aacatacctg	ggctccattc	tcctctttcc	cagcttggtg	180
gcagccttga	agacaacagc	ctgcattctt	gatataggtt	cttagtggtc	gagggagcag	240
aatggaactt	actctcaaag	gattgtgggt	gcctgttttg	acctgtctgt	tggttccctg	300
aaggatgagc	acaaaagatt	tactttaatt	tcacctaaact	tagaactctc	ccagggtga	360
agcagctacc	tggggcattt	ggaaaaacaa	acaaaccaca	cacacatgca	cagagttaa	420
aacaaatgca	ttcactaatg	gtaacagtta	gggaaataat	agacaaacca	aaagcttaag	480
aaaaaaggct	ggagaaggaa	acactttaag	aaataagggc	tttaaaaagc	tttctggata	540
tctaagaagg	tcacacatat	gctcagaaaa	tatcctagaa	gactctacac	tctcacctct	600
gactgacctc	cagactctgc	aagcagaaaa	ggaagggtta	ggcagagttg	taaacagcct	660
ggctaagtgt	taaaagccac	acctcaaaac	acatacagag			700

<210> 1984

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1984

acactttaag	aaataagggc	tttaaaaagc	tttctggata	tctaagaagg	tcacacatat	60
gctcagaaaa	tatcctagaa	gactctacac	tctcacctct	gactgacctc	cagactctgc	120
aagcagaaaa	ggaagggtta	ggcagagttg	taaacagcct	ggctaagtgt	taaaagccac	180
acctcaaaac	acatacagag	ctcatctgaa	gatattggga	atTTTTTTTT	tatgttggtc	240
taggtataaa	ggaaatttca	gtcatcacta	gccaaaccact	agtggaaaag	tttaattggaa	300
aagtcttttc	agtggccaca	cgtgacaaa	aatacagact	ttaaaaaatt	agttcagaaa	360
ggtcactaag	taaacaacaa	caacaacaac	aacaaacaaa	aacaactagc	aaacaatgac	420
aaacaaacctg	aaaggggagc	agaatgtgat	ttccagagtt	gtcacattat	aacagtataa	480
atgtccagtt	ttcaacaaaa	aaaattacat	gccatgaaaa	gacagaaaaa	agtatgggtc	540
atacgagca	aaaataatta	atagaaactg	tccttgagga	agctcaggaa	ttgaacttaa	600
tagattaaga	ttttaaatca	agtattttta	aatgtactga	aagagctaaa	agaaaccata	660
tgcaaagaac	taaaggaaa	catgaaaaa	gtgtctcgcc			700

<210> 1985

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1985

aaaattacat	gccatgaaaa	gacagaaaaa	agtatgggtc	atacgagca	aaaataatta	60
atagaaactg	tccttgagga	agctcaggaa	ttgaacttaa	tagattaaga	ttttaaatca	120
agtattttta	aatgtactga	aagagctaaa	agaaaccata	tgcaaagaac	taaaggaaa	180

catgaaaaca	gtgtctcgcc	taatagcaga	tttcagtaaa	agaatagaaa	ttataaaaaa	240
ggacttagaa	atthttgagtt	aagaagtaaa	ataagtga	tgaacaatgc	actagaagg	300
gtcaacagct	atgtgagtag	gcaaagaatg	aatcagtgaa	tttgaagaca	ggtcaattga	360
gattaccag	tctgaggac	agaaaaaaga	atgaagaaaa	acaaatagag	cgtaagtggc	420
ctgtggaata	ccactgatgg	taccaacata	tgcataccag	aagacccagg	gggagaggaa	480
agaaagaaag	gggatgaaag	aatatthtgaa	gaaataatgg	ctcaaaactt	ctcaaatttg	540
gtaaaagtaa	aggatatgaa	tttacacatg	caagaagctc	aacaaacccc	aagtaggata	600
aactcagata	ttcatattgt	gatacattat	aatccaatgg	tcaagataaa	tacaaagaga	660
gaatcctgaa	agcagtcaga	gagaagtgat	gagtcata			700

<210> 1986

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1986

aatatthtgaa	gaaataatgg	ctcaaaactt	ctcaaatttg	gtaaaagtaa	aggatatgaa	60
tttacacatg	caagaagctc	aacaaacccc	aagtaggata	aactcagata	ttcatattgt	120
gatacattat	aatccaatgg	tcaagataaa	tacaaagaga	gaatcctgaa	agcagtcaga	180
gagaagtgat	gagtcata	caaggatact	taattgtgatt	aatggcta	ttcccatcag	240
aaaccacaga	ggccaaaagg	caatatgatg	acatatthcaa	agagctgaaa	gaaaaactgt	300
caaccaagaa	ttccatatgt	ggcaaaacta	ttctthcaa	atgaaggaga	agthaagaca	360
ttccagata	aacaaaaact	aacagagthc	thtgctagta	thgctgtgt	acaaaagthg	420
ctaaagggag	tcctthcagg	tgaaatgaaa	gaacactthg	gatgatta	thtatgtgtc	480
aactthgactg	agccacagg	thgctggatg	thtggtcaaa	cattattctg	gatgtthccg	540
tgaggatgth	tacaggthgaa	aataacatt	aaattggtac	actgagtaaa	ggagattacc	600
ctccctaata	tggtggggcc	tcattcaatc	agthaaaggc	ctaaatagaa	caaatgact	660
gaccctthcc	caagtaaaag	agagththctc	ctgctgctc			700

<210> 1987

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1987

thgctggatg	thtggtcaaa	cattattctg	gatgtthccg	tgaggatgth	tacaggthgaa	60
aataacatt	aaattggtac	actgagtaaa	ggagattacc	ctccctaata	tggtggggcc	120
tcattcaatc	agthaaaggc	ctaaatagaa	caaatgact	gaccctthcc	caagtaaaag	180
agagththctc	ctgctgctc	atctthgaac	tgggacattg	gctththct	gcctthcagac	240
tcaaactgaa	acattggttc	thtctthgtc	tgagcctgc	thgctthcag	actagaacta	300
agtcattaac	thtctgggt	ctccagctthg	ccaagtcacc	gtggagatt	tggtactthg	360
cagthctctgt	aatcatgaga	attaattct	tataatctcc	thtctctctc	thtthcaca	420
tacacacaaa	catgtgtata	thgtatata	tataatata	atataatata	atacagctthg	480
ctggtthctgt	thtctggag	aacctgact	aatacaacta	atacaacatt	atgcagtaac	540
thaaatccac	atgaaaaata	aagaacacca	gthtatgata	ctatgtaggt	aaatataaac	600
attaatatta	atgatata	ththgtthta	aactctthta	thtctatata	atthaaaaata	660
caatcataaa	acaatgatcc	taaaactatg	thgatgggca			700

<210> 1988

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1988

aacctgact	aatacaacta	atacaacatt	atgcagtaac	thaaatccac	atgaaaaata	60
aagaacacca	gthtatgata	ctatgtaggt	aaatataaac	attaatatta	atgatata	120
ththgtthta	aactctthta	thtctatata	atthaaaaata	caatcataaa	acaatgatcc	180
taaaactatg	thgatgggca	taggtthgcat	aaagatgggt	tggtgthth	gthththgth	240
ththgtthct	gggtththth	ththgtthth	ththgtagaca	gagthctcact	ctgtcaccca	300

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ggctggagtg tagtggcacc atcttgactc actgcaacct ccacctccca ggttcaagca 360
attcttgtgc ctcagcctcc tgagtagctg ggattacagc cacataccac cgcgccagc 420
taattttttg tatttttagt agacatgggg tttcatcatg ttggccaggc tggctctgaa 480
ctcctggcct caagtgatct gcctgcctca gcctcctaaa gtgctgggat taaaggcatg 540
agctaccacc cgggccacat tacataaaga tgtaatctgt gacattaaca acaaaagtta 600
gagatgaaat tatacagcag taactttttt gtataccatt gaaactaagt tgttattaat 660
ttaaattaga gtgttgtaaa ttaagatgtt aattgtaatc          700

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<210> 1989

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1989

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gcctgcctca gcctcctaaa gtgctgggat taaaggcatg agctaccacc cgggccacat 60
tacataaaga tgtaatctgt gacattaaca acaaaagtta gagatgaaat tatacagcag 120
taactttttt gtataccatt gaaactaagt tgttattaat ttaaattaga gtgttgtaaa 180
ttaagatgtt aattgtaatc cccaggacaa atgctaagaa tataatatgt agtaaaataa 240
atgagaaaag aatcaaaaaga gtatactaca aaaatctatc ttacacaaaa gaagacaata 300
atggaggaac tgaggaacat aaaggataaa agacataata gaggacaaat agcaaaatga 360
cagaattaag ttctctctta tcagtaatta tattaaatgt aaatgaatta agctcttcaa 420
tgaaaaggca gagattggca gaatggattt taaaaagaac catgatccaa ctatatgctg 480
tctataagag acttatttta gattcaaaga cacaataat ttccaagtgt aaagatggaa 540
agcataccat gcaaacagta accaaaaatg agctgaagtg gctatgctaa tatcagacaa 600
aatggacatt gacacaaaaa tgtttcaaaa aacaaagaag tacattaata tgataaaatg 660
ctcaatgtat taagaagata ttgcaattat aaacaaatag          700

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<210> 1990

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1990

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gattcaaaga cacaataat ttccaagtgt aaagatggaa agcataccat gcaaacagta 60
acaaaaaatg agctgaagtg gctatgctaa tatcagacaa aatggacatt gacacaaaaa 120
tgtttcaaaa aacaaagaag tacattaata tgataaaatg ctcaatgtat taagaagata 180
ttgcaattat aaacaaatag gcacttaaca acagagacca agaacctatg acaaaagatt 240
gacagaattg aatgaaaagt taaaaaatag tccggaggcaa ggtgcagtgg ctcatgccta 300
taatccagc acaatgggag gctgaggcag gcagatcact tgaagtcagg agttcgagac 360
ctgctggggc aacatggcaa aaccccgctc ctactaaaaa tacaaaaatt agccaggcat 420
ggtgaagcac acctgtaatt ccagctactc aggaagctga ggcacgagaa tcacttgaac 480
ccaggaggca gaggttgcat tgagccaagg tcatgtcatt gcaactccagc ctacatgatg 540
gaatgagatt ctatctcaaa aaaaaaaaaa aagttggaga cttataactc atgttcaatc 600
gtagctagaa caactagaca aaaggtaaac aaagaaatag aagacttgaa caacaataaa 660
agccaccaa cctaacagac atctacagaa catttcattc          700

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<210> 1991

<211> 579

<212> DNA

<213> Homo sapiens

<400> 1991

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tgagccaagg tcatgtcatt gcactccagc ctacatgatg gaatgagatt ctatctcaaa 60
aaaaaaaaaa aagttggaga cttataactc atgttcaatc gtagctagaa caactagaca 120
aaaggtaaac aaagaaatag aagacttgaa caacaataaa agccaccaa cctaacagac 180
atctacagaa catttcattc aatgacagca gaatacatat tattcttctc tgcacatgga 240
aatattctat agaagagaca ttgtgttagg ccacaaaaca agtctcaata aattagacaa 300
gattgaaatc aacaggggcc aggtgtggtg cctcacacct ggaatcccag cactttggga 360
ggccgagaca ggcagatcac ccgaggtcag gagttcgaga ccagcctgac caacatggtg 420

```

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aaaccccacc tctactaaaa atacaaaatt agctgggctg agtgggtgcat gcctgtaatc 480
ccagctactc gaggggctga ggcaggagaa ttgcttgaac tcaggaggtg gaggttgcat 540
tgagccgaga tcacaccatt gcacttcagc ctgggcaac 579

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<210> 1992
<211> 700
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1992
ttgtggcaac cccaggaaat gaatagatca ggagcccaga tggagtctga gggccttatg 60
ttaagggctg agtggtgaaa gtgaggctac aaaggcagag gtcagaaatg gtatcttctg 120
ggtggaggca ggtagaggaa aaggaatata aaaacaaatg aatggccact tcctgcaagg 180
caggaagacc aaggagacat gatcctcaga agtcctgccc cttctcaagg ctgcagattt 240
tttagggtag tatctgacca atgctgtggt cctgagctgc caggactcca agaccctgcg 300
gaggtctttac tcatgccttt ggagactaaa tcttacagtg tggagcaagg tattgaggag 360
atatccgtcc attcaaggag ttagcaaata tnngcccagt tcggtggtgg gaaaatggca 420
atggacaaat gcatgcatgg tttatgtact ccagncctc ccaggccagt cggggaagac 480
gttaccgaag cgatcattca attctatcaa cgggtggcaag tgttacgaag cacacgggga 540
catgagaagc tgttatggga ggttttgtgt gtgtgggttt tttttttttt tttttgagac 600
agtcttgctc ttgtcaccca ggctggagtg caatggcacg atcttggtt acggcaacct 660
ctgcctcctg ggttcaagtg attctccac ctcagcctcc 700

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```

<210> 1993
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 1993
attctatcaa cggtggcaag tgttacgaag cacacgggga catgagaagc tgttatggga 60
ggttttgtgt gtgtgggttt tttttttttt tttttgagac agtcttgctc ttgtcaccca 120
ggctggagtg caatggcacg atcttggtt acggcaacct ctgcctcctg ggttcaagtg 180
attctccac ctcagcctcc ctagtagctg ggattacaga caccgccatc atgcgtggct 240
cactgcaagc tctgcctccc gggttcatgc gattctcctg cctcagcctc ctgaatagct 300
gggactacag gcatgcgcca tcacaccggg ctaatttttt gtatttttag tagagacggg 360
gtttcatcat gttagccagg atggtcttga tctcctgaac tcgtgatcca cccgcctcgg 420
cctcccaaaa tgctgggatt acaggcgtga gccaccgtgc ctggccatgc ccagctaatt 480
tttgtattgt tgtagagacg gggtttcacc atgtcggcca tgctggtctc gaactcctga 540
cctcaggtga tccgtccgcc tcagccttcc aaagtgtctg gattacaggc atgagccacc 600
gtgcctggtc tgttatggga ggttttgacc tactcagggg agtaaggaaa atctctctgc 660
ctctgaggga atctgaagga ttctgaaggt tttaatcagg 700

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<210> 1994
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1994
gggtttcacc atgtcggcca tgctggtctc gaactcctga cctcaggtga tccgtccgcc 60

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tcagccttcc aaagtgctgg gattacagge atgagccacc gtgcctgggc tgttatggga 120
ggttttgacc tactcagggg agtaaggaaa atctctctgc ctctgagggg atctgaagga 180
ttctgaaggt tttaatcagg ggggaaaaat tttttctaga cagaaggaa acatgtata 240
aaggtctggg gtggggaggg ggaatgncca gtttagagag ctggagggaag ttcgatgtgg 300
ttacagaagt gagcagaggc caaacctatg ggaaccttat aaaccacttt ttgatgtttc 360
tcangatcag gncaattttcc cagntgcaag taatggnttc agatctgcat tttgagatca 420
tcatggttgt antgaaggag agatgagagg gaacnnnaat ggaggagcag ccagtcagga 480
aagtgttgcc atcactcatg tgaaaaagat ggagagaagt ggggtggatta gagggagatt 540
taggggtaaa attgaacaga cttgggatat aggtaaatag ggtctggggg tgagggagag 600
ggagctgcca agtatgactc ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt 660
cagtacagca gtgaagacag gatgtgtgga gggggaagat 700

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<210> 1995

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1995

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tgaaaaagat ggagagaagt ggggtggatta gagggagatt taggggtaaa attgaacaga 60
cttgggatat aggtaaatag ggtctggggg tgagggagag ggagctgcca agtatgactc 120
ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt cagtacagca gtgaagacag 180
gatgtgtgga gggggaagat gtagggggag aacaataact ctgtgttgga catgttgcca 240
ttgaggtgcc tgtggacact caagtgggga tgtacactga acagtgagtt acatgaatct 300
ggggttcagc agtaaggata agggtaaaga gagaaatttg tgtcacctgc gtgtaaagag 360
aagcgtgaag tggaaagcct agacctgagt tttgaggaac ccccaacctt tactaatagg 420
gagaggatgc tgaagaagct tgagcagagg tggccagaaa ggatgagggg aaaccaaggg 480
aaatcagtgt tccagagggg ctgtggtcat cgctgggtgt cagacactgc tcagggccct 540
ggcagatgag gtctgaagaa cagccgttga aattggagat tggaggctac agtttattga 600
gacctggttt ggtgctgtta gggagctaga aggtgactg cagggcctga agagtgggag 660
agacagctcc tttagggcct gaagagtggg agagatgtga 700

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<210> 1996

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1996

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ctgtggtcat cgctgggtgt cagacactgc tcagggccct ggcagatgag gtctgaagaa 60
cagccgttga aattggagat tggaggctac agtttattga gacctggttt ggtgctgtta 120
gggagctaga aggtgactg cagggcctga agagtgggag agacagctcc tttagggcct 180
gaagagtggg agagatgtga ggatggggag acagctcttt caagaaattc cgctgcgggt 240
gagaacagag aactcagtg gggtcgaatg agggttttgt tcccatagta gaggcttgaa 300
cacatttaca ggccaatggg aaagatccag ttgagagcgg gtatgtgagc cttcaggaga 360
gaaaagggat gttccatggg gcaaaactcct gagaagggggg aggagatgga aggaagcttc 420
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gacgcaggca ggaacaatgg ctacccatg ttttatgtgt atttccgtgt gcgtgctcct 540
gctttcccca ggtctgggcc gcctgcctgg cccgtgtgcc gtagggaata tccacactgg 600
gcctggggcg aggtgggcca tctcccgctc tgggcttgct ccctgatgag attctcagac 660
cgtgcttccc ctcatatcat agangaaggt tcacagagca 700

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<210> 1997

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1997

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ctcaccatg ttttatgtgt atttccgtgt gcgtgctcct gctttcccca ggtctggggc 60
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tctcccgcctc tgggcttgcct ccctgatgag attctcagac cgtgcttccc ctcatcatg 180
agangaaggt tcacagagca ggcgtgggaa cctgcctggc cgccaggggc tcttcccgcct 240
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ggtgtccact ctttttggcc catggcataa agaagggttt gggcaaccca gtgtgcccc 360
ggttgttacc gccccccgc ctccgcccc acccagcctt tgatggggcc ccttctcatc 420
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aaccactga gagctcggcc ctgggaatgg gcctcccaat ctcggtctcc agggggtggg 540
ccccaggctc ctagtcttcc tcagggtctt ctccactggt ctgcctctc tcttgatacc 600
cagttcctag ccgggggtgac cccagcctcc cgtaacagcc tccttgtggt ggtgctggga 660
agaagggggc cgtgtacccg gcaggggccc ccaggcaatg 700

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<210> 1998

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1998

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ctgggaatgg gcctcccaat ctcggtctcc aggggggtggg cccaggtcc ctagtcttcc 60
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cccagcctcc cgtaacagcc tccttgggtt ggtgctggga agaagggggc cgtgtacccg 180
gcaggggcccc ccaggcaatg ggcattgagcg caggcaggga aatccgtcag cctccaggga 240
cgctctccct acagccccgg cgaggggatc gggctgctggc gacctctcca gacgcccagg 300
ggctgggcag gagggcgggc caaggccgc aggtgggggc gccaaagcca ggcgggcgcg 360
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ctccggctcc ggctcccgcg aggccgggta gcctgggcgt tcccaggggt cgcagaggat 480
ggcgaaacccc ggccgagcca ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg 540
tgagggtggg acgtggcggc ggctcaagtg ggcggagccc cggcagcggc cggaggcgga 600
gtcgccaagg gaggaggcgc cgagctgacc gggcgacgcc gcgggaggtt ctggaaacgc 660
cgggagctgc gagtgtccag gtgagcgccc cgcccgtca 700

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<210> 1999

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1999

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ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg tgagggtgggg acgtggcggc 60
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cgagctgacc gggcgacgcc gcgggaggtt ctggaaacgc cgggagctgc gagtgtccag 180
gtgagcgcgc cgcccgtca gccgccagat caaccttagc gctggggcgc gggctgggg 240
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ggccgggggt cgcccgcta gccgccagca gcgcagtcgc ggccgccacc ctgcaccctc 360
cgccctgttt ctgacccgt ctgggttctt gtgccgcgc ccgcaagcct tcccagctc 420
aggggtggta ggtcagcggc gcccttcgtg cagttccctc ggctgtcggg cggggctggg 480
aacttgccg ctcttccctg tcaggctccc ggggaagtgg gcctgaccc cgggctgccg 540
gctgttggga gcgggggcgc ggcgtccgcc tggccctgag gggcctcttc atattggcta 600
agcccgcttct gcaccctccc aagggtcggg agtccatagg cttgtccggg cagggtccag 660
cttgagcccc attagatggg ccattggatc agaaagtctt 700

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<210> 2000

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2000
 tcaggctccc gggaagtggc ggccctgaccc cgggctgccg gctggtggga gcggggggcgc 60
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 aagggctggg agtcctaggt cttgtccggg caggggtccag cttggagccc attagatggg 180
 ccattggatc agaaagtctt ttctccccc gacatccttg tggaaaccagc gttgtttttc 240
 cttggcagct gcggagaccc gtgataattc gttaactaat tcaacaaacg ggacccttct 300
 gtgtgccaga aaccgcaagc agttgctaac ccagtgggac aggcggattg gaagagcggg 360
 aaggctcctg cccagagcag tgtggtgagc gctgtgctgg aagggaatgc gggcagtggg 420
 tacttggtag agcactgact gcctccggcc agaggacttc ccggaggagg tgacccatga 480
 gctggagtgg tcagaggaag gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt 540
 gagtgggagc agagaccttg gccaatgcca ttccttatgg ccttgtagtg gaagcaagg 600
 gatgggggag gaacactgta ggggtagct gtccacggac gctgtctaca agaccctgga 660
 gtgagataac gtgcctggta ctgtgccctg catgtgtaag 700

<210> 2001
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2001
 gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt gagtgggagc agagaccttg 60
 gccaatgcca ttccttatgg ccttgtagtg gaagcaagg 600
 ggggtagct gtccacggac gctgtctaca agaccctgga gtgagataac gtgcctggta 120
 ctgtgccctg catgtgtaag atgccagtt gaccttcgca gcaggagcct ggatcagggc 240
 acttcctgcc tcaggatatt ctggacagcc caggtgggtc cctggccttt gtattctatt 300
 tgactttaag atggtgcagg agaatacaaa aaactatccg ggcattggtg cgcgcgcctg 360
 tagtccagc tactcgggag gctaaggcag gagaatcgt tgaacctggg aggcagagg 420
 tgcagtgagc caagatcgtg ccactgcact ccagcctggg agacagagcg agactccatc 480
 ttaaaaaaaaa aataaaaaaag agagatggtg caggagagca ttgggatccc tcccaagact 540
 gtgactgttg tcttttgctg tagagtgaca cccgagattt gtgcttcttg ataatagact 600
 acctggggcc tcacagcccc agccctcttg taggaaatcc tgtcctaaga ncaagggctg 660
 gagtccggtta cgtttagctg tggggcattc ttaaatgtcc 700

<210> 2002
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2002
 agagatggtg caggagagca ttgggatccc tcccaagact gtgactgttg tcttttgctg 60
 tagagtgaca cccgagattt gtgcttcttg ataatagact acctggggcc tcacagcccc 120

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agccctcttg taggaaatcc tgtcctaaga ncaagggctg gagtccgtta cgttgtagct 180
tggggcattc ttaaagtgtc cagactttgt ggagatccat tgtccaccta agaatttata 240
ggatgttttt ggggtctgct gcttgttctc agcctgtgtc tcatctgaca ttaggttcca 300
taatttagtc tctgttaaat gaactaggat ttcccttggc ttgtacttaa actgcccctg 360
aggtgtccaa ggtgcagcct ctcaactgtg tttctgggct cagcgcccag tctctctggt 420
tgcttctccc cactcacaga atgtttggtc tttgaattct tttcttttag ggctccttg 480
ttcttacaca gccgagtgtc cactgtgtgg cccagccaat gaagccacgt agcaaggatg 540
gagtgagttg gctggggggc tcatcccaa gatgctgtca tactggatca ccctagttct 600
ctgagagctc agcaggcaga cttggtgaca gcttagctga ggcattgtct gtggcatgtg 660
ataggccctt gtatcctgtc gaaagctctg cattggggta 700

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<210> 2003

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2003

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cactgtgtgg cccagccaat gaagccacgt agcaaggatg gagtgagttg gctggggggc 60
tcatcccaa gatgctgtca tactggatca ccctagttct ctgagagctc agcaggcaga 120
cttgggtgaca gcttagctga ggcattgtct gtggcatgtg ataggccctt gtatcctgtc 180
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ccagctgatc tcagttcatc ccttgagtgc cttctgcctg tttggcttct gactggagcg 300
tgcctggggc tagaatgagg gacgagagag aggaggtggc ngaggcacta ttcttgcctg 360
tgggtagctc gtactctgag attgctgctt catattggca gctggccatg tgccagggga 420
ggagcccggc tgtgagtgtc catcaaagga agagactacg tgggtgcagc tctgaggaat 480
gagtcggttg agggaatcta ggggtctctc atttcctaag aaggcctccc tttttcactc 540
tgccctccca catccttggg agggctctgag actggaagca aggccttggc tgatgtgtgg 600
ccacgtggc tgatagtgtg cagagggcta ggaggtgtgt ccctggctcc tggggtctgt 660
caagagttta ctattatgca gatggaagtt ggcaggaaaa 700

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<210> 2004

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2004

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gggtctctc atttcctaag aaggcctccc tttttcactc tgccctccca catccttggg 60
agggctctg actggaagca aggccttggc tgatgtgtgg ccacgtggc tgatagtgtg 120
cagagggcta ggaggtgtgt ccctggctcc tggggtctgt caagagttta ctattatgca 180
gatggaagtt ggcaggaaaa gctgtgatgc aagtacatgc aagcccagca gagtgtgtga 240
gtgagagtta aacttcggga aagttgctca catctagcaa tttggacatt tgaagttcct 300
taggtaaga catcagcctg tcctagagca aagagggctg gaaggtcctg tggctgtgtg 360
gctttgtgtt acggacatgg aatgagagat agaaagacag tttttttttt tttttttttt 420
tcctcanagc agagganaat gaaaagtctg gatgatttac tggagcccta naananagtt 480
cttgttcagc tgggtgcatt gcagggcana ggattaagtg tttgggtaga gtgctctcca 540
gctcagatgg aatctatctg agcctggtaa caggccagca tctgctctgg acctttcagg 600
aagtgcctgc ttagagtgtg gcctgttttg tacctggcac tctgagggcc aggggtgtagt 660
ggagatcctc aggcctgggt acttgtagga gcctggaatg 700

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<210> 2005
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2005
 gcagggcana ggattaagtg tttgggtaga gtgctctcca gctcagatgg aatctatctg 60
 agcctggtaa caggccagca tctgctctgg acctttcagg aagtgcctgc ttagagtgtg 120
 gcctgttttg tacctggcac tctgagggcc aggggtgtagt ggagatcctc aggcctgggt 180
 acttgttaga gcctggaatg agcaggtcag aggcataata gtacatgagt tcctagagta 240
 ttggtccaat cccccgcct tttgctagag aacattgctt gatgagcttt agagccagtg 300
 attgaccagt tccaggggta tcccctgatg atcaatgtac tacattatac ctgattccag 360
 tctctcctga attaaatggt tcatttcttg tgggtgctcct ggaacatgga gatcgcccaa 420
 tttctgcctt gtttgcatct tcaactgttcc ctagtctgga ccttctttct caccaggaa 480
 tcagctactt tgggctgggc agctggctgc ctcagggtcca ctgatgtttc tctggtgccc 540
 ttggtactaa tgattgacat aaattatgcc tagtgcaggg ctacctgcca acatctgtca 600
 tcacattcag tcctccaaca gccctatgag atatagggtcc tagtattgtc tctattatat 660
 acatggggaa actgaggaat cctataactt gtccaaggtc 700

<210> 2006
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2006
 agctggctgc ctcagggtcca ctgatgtttc tctggtgccc ttggtactaa tgattgacat 60
 aaattatgcc tagtgcaggg ctacctgcca acatctgtca tcacattcag tcctccaaca 120
 gccctatgag atatagggtcc tagtattgtc tctattatat acatggggaa actgaggaat 180
 cctataactt gtccaagggtc acaaagccgg gaagtgggtat agaattgggg tttaaactctt 240
 agtatgtctg accctagggc aggtgtgcct gtccatttga ctgtactgcc ttgccctgag 300
 ctggactggc tgggtatttg tgagtgtctg catgtctaa gtaggagtga ctgcccatct 360
 gaacttaagg gaccatgttg ctgttttctg ggtccatgtt gcgttcctcc ctctggtgag 420
 atccagccag gcgtgtcatg gacctgcttt atgaaccttt ggtgtaacct atgataaagt 480
 ccttaacctg ggcaggcatg ttcttcctgg gcaaagtgtg gcttcctctg ttgggagtcc 540
 attgcacttt aaggtaacag attattgagt aggactggat agctgcaata tctagcagag 600
 tgtgttttgg gtttgactct tgggtctgtc attgatttgc tgtcagatgt cagatatgta 660
 ggaaaccttc tctcagcctc agctgtttgt catttgtatc 700

<210> 2007
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2007
 ttcttcctgg gcaaagtgtg gcttcctctg ttgggagtcc attgcacttt aaggtaacag 60
 attattgagt aggactggat agctgcaata tctagcagag tgtgttttgg gtttgactct 120
 tggttctgtc attgatattg tgtcagatgt cagatatgta ggaaaccttc tctcagcctc 180
 agctgtttgt catttgatc tatcttatat ctgaaatgga ggtagtattc tagccttagaa 240
 gggttgggtg agaattagat agtagaaatg aaagattttt ggaaacaaat agtgcttatt 300
 tcagactatg ttcccaggaa acagcctgag acagagctta agtacttaat gctttatttg 360
 aagggtgta tgcagggcag ccagggtgag ggaaaacaaa agtgaggtgc aggcctgtgc 420
 gatggctcat gcctataatc ccagcacttt gggagggtcga gatggatgga ttgcctgagg 480
 tcaggagttt aagaccagct ggccaatatg gtgaaacccc atctctacta aaaatacaaa 540
 aattagctgg gcatgggtgg acacacctgt agtccaagct actcaggagg ctgaggcagg 600

agaatccctt gaacctggga agtggagggt gcattgagcc aatattgtgc cactgcactc 660
cagcctgggc gacagagcga gactgtctca aaaaaacaaa 700

<210> 2008
<211> 700
<212> DNA
<213> Homo sapiens

<400> 2008
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agtggagggt gcattgagcc aatattgtgc cactgcactc cagcctgggc gacagagcga 180
gactgtctca aaaaaacaaa agaaaaaagt gaggtataaa ggaggatggg aggtgggtgtt 240
ttagcaagct ggctactctg cacagagatg tacttgggta ccctatgagg gccctttggt 300
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agattctggc gtgggcctgg atagtctcct ccactgggct gaggcaaagt aaataccctg 420
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tagtggata tggattttat cctcaagtgt agttcccttt tgtgggttag tctcatccag 540
actgccagt ctctgccaa gactatgactg aaaacccaac ttggcctttg catgtcagtt 600
ttaacagcct tctctgctac ttcattgtct agttactgaa gcaagacttt gtgggtggta 660
tggtagccag gtgggggaagt ggaagtcaac cactattcat 700

<210> 2009
<211> 700
<212> DNA
<213> Homo sapiens

<400> 2009
cctcaagtgt agttcccttt tgtgggttag tctcatccag actgccagt ctctgccaa g 60
actatgactg aaaacccaac ttggcctttg catgtcagtt ttaacagcct tctctgctac 120
ttcattgtct agttactgaa gcaagacttt gtgggtggta tggtagccag gtgggggaagt 180
ggaagtcaac cactattcat gtaccagact gagaaagtat gtggatagat acagataaac 240
atcttggtct tattagggtc ttcgtgaagg agaataattt ttacataaaa gtagttgttg 300
aagatacgaa acctggcatg gtgagatgag gctagagagg gcagtagggc ctgggtcacac 360
actcaaaagg accctttggg ctaaagagtt tgaactttat cttgacggca gtagagagcc 420
aaaggaggggc tttgataaac catgctggct actttgtaga gcagagggtg gagggaaggcc 480
agatgacatg tggagaggcc agtgtagtgg gggccaggat gcctgtaggg gaagttaggg 540
gtgggtcaga tcagggtgat gactgaggct aaggagagta gggtagcccc catacttgcc 600
taggggtgcc tggcagcagc ttataggcct gaatggacat ccatgtgctt tggtagccag 660
gtctcctgga gcctctggat cctcttaggc tgaacacaca 700

<210> 2010
<211> 700
<212> DNA
<213> Homo sapiens

<400> 2010
agtgtagtgg gggccaggat gcctgtaggg gaagttaggg gtggctcaga tcagggtgat 60
gactgaggct aaggagagta gggtagcccc catacttgcc taggggtgcc tggcagcagc 120
ttataggcct gaatggacat ccatgtgctt tggtagccag gtctcctgga gcctctggat 180
cctcttaggc tgaacacaca ggtcctttca gccctgttat cctagagttg gaggcagcgg 240
ggagccgtgt ccagtttagt tttccccctt cacagaaggc aggcagggtt ttgttcagt 300
ccaagcaaga ccagtttggt ctcagcaagc tcatgttctg tctctaggct gttaaataca 360
ttgttaaaac tcaggctggt gcatttgggt tgcagctggg agcttggcag agattctgcc 420
tgatgaggta aggagagaag ctaaggacgc tgctgggttg cagctggaaa catcttttca 480
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ttgtatgtct tgggaattgc ctgtgtttag aaacagtgcc agtcgcctga tgggtgaatc 600
actgttgctg ggatgttggt aggttttgca ggactttcct gtgggggtcc aaacactagg 660
gctggcaggg cccgttttga gtctgtttga gaagggcctg 700

<210> 2011
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2011
aaatgtcttt tccaaagtcc aggtttgggtg ggacctctgg ttgtatgtct tgggaattgcc 60
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aggttttgca ggactttcct gtgggggtcc aaacactagg gctggcaggg cccgtttgga 180
gtctgtttga gaagggcctg ctttgttttc tttacatttt aagcatatga taaaataatt 240
ttaaaaattg ctatagaatt tcttgtagaa agattagaga aacaagcata aaaataaaaa 300
gaaattattt caccaagata tagccagatg tatgactctt ttcttgcatc tctctatata 360
cacatataca ttaatttttc cttacaaaaa tgggaattata gagtgcata ttttggggcc 420
cacttttctc acttaacagt atgcttagat ctcttcatgt tgatatatag tattcatttt 480
taatatactc cataaaaaact cattgtatag aagaaatgta aaatcttcta ttgtttagt 540
ttcctaattt gaacaagtct gtggtgaagt attttttgtt gtgttcctgg tatgggacag 600
acattgttct aaactctggg gatgcagcac agataaaaact cagtattggt tttctgctca 660
agatgtcact ttgtttttca taaaagtggg ttgacattg 700
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<210> 2012
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2012
cattgtatag aagaaatgta aaatcttcta ttgtttagt ttcctaattt gaacaagtct 60
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gatgcagcac agataaaaact cagtattggt ttctgctca agatgtcact ttgtttttca 180
taaaagtggg tttgacattg ttcacctcca gacttattcc agttggattc tgagggtttc 240
tgggagggct tttagcagca ctggacactt tgtaggggca ctcagcaggc acacatactt 300
tcacctactc tgtcttaagc aagctgtggg catagttagt agatgggttg gaggttggcc 360
tttcccacat tgtggggcac agtccctctc ggatgctgcc tcctcccaat ctgactctaa 420
ttagaggact ttttgtacag agccttttga gttaaggggc ccaggcttg gagaaatggg 480
gtagggctcc agagtacccc tgccagagat gtcagtgttg atgtggtagt ctgggagctg 540
ctgcttgag gtgcccagct ctccaggcta gcagagttag ttatccctt ctcccaccag 600
agcaagactt tgcaggctct tggtaggtaa gtcactgtga attacctgtg attctttgag 660
gctctgcca aaccccatct gtgattcttt gaggctctgc 700
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<210> 2013
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2013
tgccagagat gtcagtgttg atgtggtagt ctgggagctg ctgcttgag gtgcccagct 60
ctccaggcta gcagagttag ttatccctt ctcccaccag agcaagactt tgcaggctct 120
tggtaggtaa gtcactgtga attacctgtg attctttgag gctctgcca aaccccatct 180
gtgattcttt gaggtctctg ccaaacccta tctgtgattc tttgaggctc tgcctccagg 240
ctgagattca agaatgggct cagtctaagc cagatcgcac attccagaga aatcacagct 300
ggtattcatg taatgaagaa acctggcttt ccctgagtg tgtgaggtat gaaccgtaga 360
tgataggagc agaattgattt gaaaggaatg gacagacttc ctccctggaa tttatctggc 420
ctctaaaaag gtagtcaact gcaactggag acacacctgg gtagagatgc tgggttcccc 480
acttccaacc atgtctgggt tggaaacctg ctgggcccctg ttctcccacc acccagctc 540
tgaggagcag tcagctggtc cctttctgat cacagataca tcctccagc tctatgtttt 600
cactgtcccc tcctacata catacagaag gtgctgagcc tgagccagtc aagccttttg 660
aggaacaaga aacagacacc caatccctta ggtataaggg 700
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<210> 2014
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2014
 tggaacctgc ctggggccctg ttctcccacc accccagctc tgaggagcag tcagctgggc 60
 cctttctgat cacagatata tctctccagc tctatgtttt cactgtcccc tccctacata 120
 catacagaag gtgctgagcc tgagccagtc aagccttttg aggaacaaga aacagacacc 180
 caatccctta ggtataaggg gcttggtgtaa gcaagagaga agccttctga aatcctggga 240
 tagagaagac agtatagtaa ggccttgagg cagacctgtg gctagaacca ggagggcctg 300
 gactctgcct cagggcaagc ccaggcttac tcactttctc ttgatgactt gntctcttct 360
 gctgctctaa ctccctaagc gaccccttag cacaatacgc cctaccctgc agcagggttc 420
 aggttggaag ataattgtcc tgtgtgtctt gggaccccca cacctagact atgacaggaa 480
 gactgtcagc tctgcagaca tttggcatag gcatgaacac atggcgccat tcacttatgc 540
 tttccttctg atagaggatc catttgcaga tgggagttgt ggttggcctt ctctgagcct 600
 aacctggaat ctcaatggat taggatttct tctgaaagag taagatgagg aatgggtgggt 660
 gtgctgtgtg tctaatacag tatggcgggc aaaaaactga 700

<210> 2015
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2015
 tttggcatag gcatgaacac atggcgccat tcacttatgc tttccttctg atagaggatc 60
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 taggatttct tctgaaagag taagatgagg aatggtgggt gtgctgtgtg tctaatacag 180
 tatggcgggc aaaaaactga tgaactggca ttatcttaga cttagaattc tgtcagataa 240
 ggcttatgtt tttttgggaa agcatttcta tttcctttgt tttgcttgct ttgtcttagt 300
 gaatttccat ttgagcactc cagtgggggt ctcaaaagca nggcaggaag aagaccggca 360
 gagctggggg acagatgggt gctaatactc cagcacagtc taggctgcat ggctgagctg 420
 ggagacggta tcggaggctt ctggtgtgga ctgaggttta ctgccagtg gggttgtctc 480
 aggttgtgcc tatttctggg ctgatgagaa gacagtagct ggcccccttc ccatgtcagc 540
 agcccagcct gaggttttgg ccatgtgtgc catattcatt tttgtatcct gagtgcctag 600
 atcagtgcct ggcattctga ggtcttcagt aaatatttgt gaatgaatgg tgacggggcca 660
 gtgagaacag tgtctgcca ggagccttac tacaggaaga 700

<210> 2016
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2016
 ctgatgagaa gacagtagct ggcccccttc ccatgtcagc agcccagcct gaggttttgg 60
 ccatgtgtgc catattcatt tttgtatcct gagtgcctag atcagtgcct ggcattctga 120
 ggtcttcagt aaatatttgt gaatgaatgg tgacggggcca gtgagaacag tgtctgcca 180
 ggagccttac tacaggaaga aactgtcta ctaggagac tgtctcctct gactgctctt 240
 tctctggcag gtgcagactg acaagggtta gttttattcc tcttctggct ggccatctgt 300
 tgtacacctt agtttgggtg ttggtactct ggaggatatt gtgtcaaatt atctttctgt 360
 tattgtctct catgtactgt tgctccttg tgggcaggga ctggttcccc aaaacctggc 420

```

actgtcctgg catatgtgtt ggaaggtaag atagaaacaa acagcagtct gtgaaataag 480
aaggagtggg ccagaatctt ggactgacag accattggaa cccgagctga ctgtacccca 540
ctgcgattcc gccttctcat ggtacaggtg gttgctggga gttgagagga tgggctctct 600
ccgcagggca cgtgacttcc cagagcaggg accagaattg agcacacatc actggctgca 660
cgctctttgt tctttctgct gtttgcctt tttagcttct 700

```

```

<210> 2017
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2017
ggactgacag accattggaa cccgagctga ctgtacccca ctgcgattcc gccttctcat 60
ggtacaggtg gttgctggga gttgagagga tgggctctct ccgcagggca cgtgacttcc 120
cagagcaggg accagaattg agcacacatc actggctgca cgctctttgt tctttctgct 180
gtttgtcctt tttagcttct gtgtgctagg ccaggatttt gatatgtttg attatctgca 240
tatgtgtgta catgcctatg tgtctcctca cctaaattag tctttttcac tttnttgatc 300
cagtgattgt cattgaatgc ctttcagaca cttccctctg tgaccatgaa actctgggtg 360
tctgcattgc tgatggcctg gtttggtgtc ctgagctgtg tgcaggccga attcttcacc 420
tctattggta cgtgccaaca ggactgtcgt ctccctgaca ccttgntcga catgccacgg 480
atgtctctgg ctgcagcctg ttctcattta gagtgggata gccttaacta ctggttttgg 540
ccagttctga ggagagtgga actggcagag ttgctgtttt cccctataag atcccaatga 600
tctggatgtt cagggagcca gatgtctgaa ttgggtcttt cttcctggga agtgcaggct 660
gcacttgggc tctctggtct ttttgaccac cttgcccctg 700

```

```

<210> 2018
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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```

<400> 2018
ttctcattta gagtgggata gccttaacta ctggtttttg ccagttctga ggagagtgga 60
actggcagag ttgctgtttt cccctataag atcccaatga tctggatgtt cagggagcca 120
gatgtctgaa ttgggtcttt cttcctggga agtgcaggct gcacttgggc tctctggtct 180
ttttgaccac cttgcccctg gaccagagag tggttctgag cagcaaacc tttgtatcct 240
gaggatcaag cttttcctat cttccgacc taaagtccag agctttttat cctgtggtga 300
gccccagga tatccatgcc ccagtgtcat gaccagctat gtaacagtcg gagaatgaga 360
tttagggctg cttcttgagt gacatccagt gcacttatct caaacatccc cttggtgcct 420
ctgcctcttt cttcctgaag ttgcgagata gagcccatg agtgcctagg ccccttttaa 480
ctccaagtcc ccataatccn cagagagctg acatgttctt atcccagggg acttgcttct 540
gtgctggtat tcnnngcccc aaggaaggag gctggacatc cctcatctgt ttctactggt 600
tgtctttctt ctctcccttg cagggcacat gactgacctg atttatgcag agaaagagct 660
ggtgcagtct ctgaaagagt acatccttgt ggaggaagcc 700

```

```

<210> 2019
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (1)..(700)
 <223> n = A,T,C or G

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<400> 2019
cagagagctg acatgtttctt atcccagggg acttgcttct gtgctggtat tcnnngcccc 60
aaggaaggag gctggacatc cctcatctgt ttctcactgg tgtctttctt ctctcccttg 120
cagggcacat gactgacctg atttatgcag agaaagagct ggtgcagtct ctgaaagagt 180
acatccttgt ggaggaagcc aagctttcca agattaagag gtgtcctaag tccccancca 240
tccttagttg gccttccttc ccttctgccc ctcaaggaac aaggaagcca tccaggntgc 300
ctataagagg aaacctttga gaggntgatg tggggctggc ctggtnnctt catgccagtg 360
cttgagagga gctaagtaca tgggctaagg agtcaactgt tatttntat ttaagacctn 420
ttcccttaca ttgggggtcc cagctgttat ctagattaag gggctagaag tatctgtggg 480
gagttactgt attcattttt cattgcctct tgatgaaaag ggccccagaa cctggcacca 540
gggaattctc actaggaaaa ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc 600
ttccttttcc tctggttcca cagctggggc aacaaaatgg aagccttgac tagcaagtca 660
gctgctgatg ctgaggggcta cctggctcac cctgtgaatg 700
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<210> 2020
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2020
cattgcctct tgatgaaaag ggccccagaa cctggcacca gggaattctc actaggaaaa 60
ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc ttccttttcc tctgggtcca 120
cagctggggc aacaaaatgg aagccttgac tagcaagtca gctgctgatg ctgagggcta 180
cctggctcac cctgtgaatg cctacaaact ggtgaagcgg ctaaacacag actggcctgc 240
gctggaggac cttgtcctgc aggactcagc tgcagggtgag ggacgggtgag cagggtgctg 300
agtgaagccca tatgtttgtg tgctcatgcc tgggttggtg tgtctgagcc tgtcttgggt 360
ctgggtgttg gtgggcaagt acattgtgga aacaggaccc tgctggtctc atggctctct 420
cccttctctg tggggacctg gaagttgggt ggcccttggt tttaacatgt aatgatgttc 480
agttcttttt ttagcgtctt ttttttagtg tctgtctttt cttatttttt gctaattgaca 540
tttttccaat tatacttttag tgatacatgt ttatagaaaa gtcggaaaaa acaaaaacaa 600
gagaattata attcttaatc cagttgccca gtggtgagca ttattaaaat tgtagttttt 660
ctacctatgc atatacatgt aaaaaatgga actatacata 700
```

<210> 2021
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2021
tttttttagtg tctgtctttt cttatttttt gctaattgaca tttttccaat tatacttttag 60
tgatacatgt ttatagaaaa gtcggaaaaa acaaaaacaa gagaattata attcttaatc 120
cagttgccca gtggtgagca ttattaaaat tgtagttttt ctacctatgc atatacatgt 180
aaaaaatgga actatacata cataccaggg catgcaaact cagttgcttg gagggacaat 240
gaatttacaa gtgtcaagtg ggctggatgg tggggccagg gcaagttggg gagcataggt 300
ctgatctaaa ttcattccta ttcatatgtt ttacaaacaa agcatatctg ttggtagatt 360
tgtgacagaa gaaaaaatc tgtgaatttc tcagcttctt tatatgccat tcaatgttct 420
tctgcaacat gatttttaatg gctggatggg gattacctgt cagatgggtg taatctgtca 480
tactgataat actgtcaaat attggatatg ggattttttc tgaattatca 540
gcaccttttt acatatttct tgggtgtatac ttctgattac ttttttaggg taagttccta 600
gaagtgatat taccgatgag agtgtgaact ttttaaaagc tttaaactat acttgggtgct 660
tttattgtga taatactttt tatgccctaa tacttttctg 700
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<210> 2022
 <211> 698

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 2022
 ggggtcaacat tggatatggg attttttctg aattatcagc acctttttac atattttcttg 60
 gtgtatactt ctgattactt ttttagggta agttcctaga agtgatatta cccgatgagag 120
 tgtgaacttt ttaaaagctt taaactatac ttgggtgcttt tattgtgata atactttttta 180
 tgccctaata ctttttctgtc aataagaaga gatggtagcg tgggcctgga ggtgggctct 240
 cctaactcct agccctgggt ttagtcccct ggactcactg actttttttt tttttttttt 300
 ttttttgaga ctgagtctca ctctgtcacc aggtctggagt gtagtggcgg gatctcggct 360
 cactgcaacc tctgcctccg gggtcaagca attcttctgc ctcagcctcc tgactagctg 420
 ggactatagg cacatgccac catgcccagc taattttttt ttggtatttt tagtagagac 480
 aggggtttcac catgttggct aggatgttct tgatctcttg acctcgtgat ccacccatct 540
 ccacctccca aagtgtctggg attacaggtg tgagccacca tgcccgtgc cttttttttt 600
 tttttttttt ttttnnnnnn nnnaaggagc aggggtctnc tatnttanc tanactggag 660
 tgcagnggct attcacaggt gcgattgtag cacactgc 698

<210> 2023
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2023
 ctaggatgtt cttgatctct tgacctcgtg atccacccat ctccacctcc caaagtgtctg 60
 ggattacagg tgtgagccac catgcccgtc gccttttttt tttttttttt ttttttnnnn 120
 nnnnnaaggg acagggtctc nctatnttan cctanactgg agtgcagngg ctattcacag 180
 gtgcgattgt agcacactgc aaccttgac tncctggcct acgtgatcct cctgcctcag 240
 cctcctgagt agctgggact ataggcacag tgccattgta cccagctntt cactgcctnt 300
 tttcctgag ctgngagtgc tgattaactt canactagct gtctctctgg ctganacatt 360
 ttancccatg tggccanact ggggtgggac tgggggcagg gtggcctctg ganagggtatt 420
 ggtgagctca nccaggctgg agctgtgccc agtgagctca ctgcctccan aaaccacggn 480
 tgcttttccc anactcccgc ctntccgcct gggcctgcag ctcgggacag gctgttctgc 540
 ctgcacggna ggagactaag cctaccaga tgacctctc tctccaatct tgttctcaca 600
 ccctacactc caccatcatn tggttccttt ggaaaacctn ntgattacct ggaaggagat 660
 agggcaggcc cagagaataa ttggtngnnt tcatctctga 700

<210> 2024
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2024
 ctntccgcct gggcctgcag ctcgggacag gctgttctgc ctgcacggna ggagactaag 60
 cctaccaga tgacctctc tctccaatct tgttctcaca ccctacactc caccatcatn 120

```

tgggttccttt ggaaaacctn ntgattacct ggaaggagat agggcaggcc cagagaataa 180
ttggtngnnt tcatctctga ctttgagttc ttgcccctga aacgagcagg gcatgctgac 240
agtgtggctt ttcctggcag catgttcccc tactcccacc ccaccagatt ntaaacctctt 300
tagagtccct gaccatgtag ctatgaagac aaggaaggca gggttacagc ttcttgggtcc 360
ctgtccccag ttatggctga agtggatgtt taggtctgaa gtcataagggtg gcagtggata 420
cagctactct tgggaagagg ttggggaagg aatggccttg ttgttcccct ctcaactctc 480
agcttagagg cagaattgaa ggccctaagt cagcctggga aggcttggct cccacctggg 540
attgtaggag gtacacatct tactttacag ctagggttg gagtcccaga aaagcctcct 600
tggagtactt ctgtggtcaa aagctctccc acgcttcagg ctgtggtctt gagcaccata 660
actggagagc ccatgccctg aactcattga aggtctgagt 700

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<210> 2025

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2025

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ggccctaagt cagcctggga aggcttggct cccacctggg attgtaggag gtacacatct 60
tactttacag ctagggttg gagtcccaga aaagcctcct tggagtactt ctgtggtcaa 120
aagctctccc acgcttcagg ctgtggtctt gagcaccata actggagagc ccatgccctg 180
aactcattga aggtctgagt ggtgggagta cagaggagaa cagncccacc gtggtctctt 240
aggggacgga ccttgctggg ttggtgcaac cccaccttgg tccttggcct gtctagggtg 300
tccttcagct gtcaacctag ggggaggggg atgacttcca ggactttcat catcaccttt 360
ctggatgata agtgccagt gtcagtaatg agtggccagc tcggcttcat tagttaactg 420
tcattgtccc ttggactcct caacttgaaa tgtgtgctgg aagtctgtgt ttacctgact 480
agcccaatta ccctggatca aggttttcca tgggatttat tttccactga gtggttgaca 540
gttcttctctg agtcctctcc cgtgctcttc tcagttaccc tctctatcct ctgtttcttc 600
tgtctccacc agctctgact gaatgatttg gagccaagac ttctggactc ctaaataatta 660
accaatatgg ggggctgctt ctacttagtt ccaaagagca 700

```

<210> 2026

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2026

```

aggttttcca tgggatttat tttccactga gtggttgaca gttcttctctg agtcctctcc 60
cgtgctcttc tcagttaccc tctctatcct ctgtttcttc tgtctccacc agctctgact 120
gaatgatttg gagccaagac ttctggactc ctaaataatta accaatatgg ggggctgctt 180
ctacttagtt ccaaagagca acacaggcag taggtatggt gaggagtaag aaaggaaaag 240
tccccataga ctggagtcac cagggacaac ttcttgggtg aaggggggcaa cagcctttga 300
gggagggggc ggggaaattt cactagccag agaccctctt tgtggctgcc tctctgggcc 360
caagtggaat tctgcccctg gatcaagggt aatctcttgt tctgactctc atttggaagg 420
ttttatcgcc aacctctctg tgcagcgcca gttcttcccc actgatgagg acgagatagg 480
agctgccaaa gccctgatga gacttcagga cacatacagg ctggaccag gcacaatttc 540
cagaggggaa cttccaggta actcaccact ccaggcggtg cctgtcccgc ntgtgtctct 600
ttagtggcgg gacaggttg agccaccacc aacttgtggc ctttaacctc ggggtgcacct 660
ctggtgcacc tcttggtcga ccagtttgtg ctggactccc 700

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<210> 2027
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 2027
gacttcagga cacatacagg ctggacccag gcacaatttc cagaggggaa cttccaggta 60
actcaccact ccaggcggtg cctgtcccgc ntgtgtctct ttagtggcgg gacaggttgg 120
agccaccacc aacttggtggc ctttaacctc ggggtgcacct ctgggtgcacc tcttggtctca 180
ccagtttgtg ctggactccc tctcccatga cagggtttctc cctcagcccc tgccctgcca 240
cctccctcca tgtattagcc aaggccctct cctcttgcac ctcagagaaa gccaaagtgt 300
ctgctcagga accccctcca cgtctgtccc cagagcacca cacagatctg cattcagacc 360
tgcttcttgt ctcccaccct ccaatgtctt ttcattctaa gctgatctgg gcttactatc 420
cccctgtctt gagtccctct agttacagtc tctgtctcta tacattctgt ctccacctct 480
ctgggttcta cccttgagct cccatatagg ctctattctt gctcatctta acacttgcc 540
ccctcggtat ctgagagtct ttcgagtctt tgctgtgat tcatctcttc tcccctcctg 600
gttaggctac tggatagagt aatctacact ctgtccattt tcctggttcc catatactcc 660
tgaactcaca gtatctggcc tttttcccca ctgtcactga 700
```

<210> 2028
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 2028
cccatatagg ctctattctt gctcatctta acacttgcc 60
ttcgagtctt tgctgtgat tcatctcttc tcccctcctg gttaggctac tggatagagt 120
aatctacact ctgtccattt tcctggttcc catatactcc tgaactcaca gtatctggcc 180
tttttcccca ctgtcactga tgctgttctt acaaggctcat cagtggcngc ttggctggta 240
aaccagcgca acaaggttca cacataatgt tctttaactt cccagcagca tttgacagat 300
agattgcctc attctttgtg atgttctctc ctcccttgaa ttctggcata ctgatattctg 360
cttctctttt agcctctctg gtcattttct ctcaagtggc ccctctccca ctgacttccc 420
agtgttagtg tttataagaa gatgttttga gggctgctgg agacaagtaa cccagcgat 480
tcaactgtgtg aggctcatgc agaccagct tattccagct ccagaacctc agctgcccc 540
tttagactcc attagagaga gggcagttca gggcacctgc aagatctgtt cactctgtag 600
ccttgagatt gggtgcttgg aggagggaac cataccctgg cgttgacctc tcacgttcac 660
tcagcaaacc catgagtgtc ctgaataggg ttatggggca 700
```

<210> 2029
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2029
agaccagct tattccagct ccagaacctc agctgcccc tttagactcc attagagaga 60
gggcagttca gggcacctgc aagatctgtt cactctgtag ccttgagatt ggttgcttgg 120
aggagggaac cataccctgg cgttgacctc tcacgttcac tcagcaaacc catgagtgtc 180
ctgaataggg ttatggggca gaaaggaatt actccctagg actccatcct tacctcatct 240
tctccctgag caccttcccc aggtgagcac agccatttcc atcacctgag gtggatgaca 300
```

```

tccagatctg tgtttcttgc caaggcttgt ctccccgagct tctaaccagt gtagacggat 360
gcctttggga catctgtact tgaatgtccc atggacttct cgaacttcat gtgtcctgaa 420
ctgaaatcct catctccttg taaacacttt accttcccc tcactcttct atctcagcaa 480
aaaggacctc catcctctgg ctgcctaagc cagaagccta aggcctatgg attctacctc 540
cttctctcat gtcttccgtg cttatcccc gactccagcc tcacagctac ttttttctca 600
atgtgattat caaaatacca ttctgacttg tctcctacct ccagcttact gcttaagacc 660
atcctccatg tgggtcttaag cacacatttg ttcacatgag 700

```

```

<210> 2030
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2030
ctgcctaagc cagaagccta aggcctatgg attctacctc cttctctcat gtcttccgtg 60
cttatcccc gactccagcc tcacagctac ttttttctca atttgattat caaaatacca 120
ttctgacttg tctcctacct ccagcttact gcttaagacc atcctccatg tgggtcttaag 180
cacacatttg ttcacatgag ttcttgatta ctgtgcttaa tttccaaagc taaacccaaa 240
ctcctcctgt gtgtggtctt tggggctctg catgactcca ttttctggc ttccttgccc 300
attgtactca gctttcccta tcaactagct cttttgtctc aaccttcta taggaatacc 360
tttaccatg tcagctaggc tactccatgt ctgattgcct atcagcactc agctcagctg 420
tcactctccc aaatgctctc caggagtag acattcgagt tggctctggg gaggatgctg 480
agtgccaggg agccattctt agcattcttg gcactctggga gacatgttga taatagctac 540
tggtcattag catcctgggg agcataggag acatcttcat atgtcatctt attgaattct 600
tgccacaagc tctttaaaat tgatgatatt atctttattt agagataagg ggactgagac 660
ttagatatgg taacttgtct atagtcacac agctggttgg 700

```

```

<210> 2031
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2031
agcattcttg gcatctggga gacatgttga taatagctac tggtcattag catcctgggg 60
agcataggag acatcttcat atgtcatctt attgaattct tgccacaagc tctttaaaat 120
tgatgatatt atctttattt agagataagg ggactgagac ttagatatgg taacttgtct 180
atagtcacac agctggttgg cgccctagtg aggccaacac aaacctagtt tagttcagct 240
ccagagcccc agctcagtca gctatgttac tctgccccag caatgtaggt tcctgggcct 300
gcagagccag aggagacctg tggagaagga aaaggggctc caggagcccc ccagtcctctg 360
gcctacctag ggacttcatc ttgtgtttac tgtccccaac ttcctattcc tcgttattgg 420
ttcctgagcc accgggggta gcagacctg gtctctgaag cathtagcct actgtgtagt 480
ggtttcattc caggcagaaa gagccttctc tgagttcttt tgtgtcagcc atgcccaggt 540
tgctgttaat ggggctgtgg ggagtcttcc ttgctttcca gggagagtca cagccccac 600
ttcccctcca tggatctctg tttctcatta ttctctgagg aaccacacac atagctcttc 660
ccatcttgag ctcaccctaa atcctgcate tccctatagc 700

```

```

<210> 2032
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2032
gagccttctc tgagttcttt tgtgtcagcc atgcccaggt tgctgttaat ggggctgtgg 60
ggagtcttcc ttgctttcca gggagagtca cagccccac tcccctcca tggatctctg 120

```

```

tttctcatta ttctctgagg aaccacacac atagtctttc ccatcttgag ctcaccctaa 180
atcctgcac tccctatagc tgcttcttca tattggcttg aaactatctt catgggtcact 240
ttccagcact cccctacag cagatgacct ttggtcataa gacctactga actgatactc 300
agcaagggtc ctgccactta acagccaaag ctggcactgc aaccttggtt cttggcctcc 360
cttgggtgtc ctcacaccac tcccgtcccc tctgtttctc ctatctttag ttcatctca 420
gggttattca ttgtctgttc tttctgggta ggtgtccct ggagctctgg ccttagtcat 480
cttctccatt ctttccnag agttcctgca agctattttc ctcacccatg gcttgggtgc 540
cacctaaatt tatgtttttt atattcagct aatttttcca tcctctagac tcatatggca 600
aactgcccac cagacatctt cttctctgtg gtccacagga ccttcccact gtcctcaaca 660
atgcttcctg gtgggtttct ggggctcccc ctaaaaaggc 700

```

<210> 2033

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2033

```

agttcctgca agctattttc ctcacccatg gcttgggtgc cacctaaatt tatgtttttt 60
atattcagct aatttttcca tcctctagac tcatatggca aactgcccac cagacatctt 120
cttctctgtg gtccacagga ccttcccact gtcctcaaca atgcttcctg gtgggtttct 180
ggggctcccc ctaaaaaggc ccttcccac ttgggagatg gggaatctga ggctaagagg 240
tggtctgtaa cccagtgcca gggcagggtt gggccatctg tctgtgctca ctgtgtcagt 300
ggccctttag gatatgcagt ctaaagtctt gatggagttc tgcttgggtg tgccccctat 360
ccagtggctc aggttttct tgaagnngga atctctttcc ctaatccaga ggctctttgg 420
agcctgacaa tttacttccc ctgctgtagg aaccaagtac caggcaatgc tgagtgtgga 480
tgactgcttt gggatggccg ctcggcntac aatgaagggg actattatca tacggtgttg 540
tggtgaggc aggtgctaaa gcagcttgat gccggggagg aggccaccac aaccaagtca 600
caggtgctgg actacctcag ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg 660
gagctcaccg gccgcctgct ctcccttggt aaggagattc 700

```

<210> 2034

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2034

```

ctcggcntac aatgaagggg actattatca tacggtgttg tggatggagc aggtgctaaa 60
gcagcttgat gccggggagg aggccaccac aaccaagtca caggtgctgg actacctcag 120
ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg gagctcaccg gccgcctgct 180
ctcccttggt aaggagattc taggggaagg taagatngga atggagagtg gnanaggaaac 240
tgactgtgct tggcatctgc ctgacccctc tcctgggact gagtcagttt accctgtcac 300
ttggccagtg actaatgcct tactgacttt aggaccagtc cagcttctta ctagctcctt 360
accacctca atcctggcct taggtttgct cagtcgctga tagatacgt caggcctgtg 420
gcacttggtg gcctttttta taaggactct gttatggtgt atctgtcacc atgcaggact 480
acacaggggt gaacctttac tacatcagga gcagctcagg agtcagggtg tacttttagga 540
ttgttacagt gacaaacagt agcgggtgcta ttagaggcct gaggtctaata agtaggactt 600
catatggcat tgatactttg tgtgccttgt gctgttggac tgaagaaggc caaaagcact 660
gtgcctttta aactcatcta cctttttttt tttttttttt 700

```

<210> 2035
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2035
 tacatcagga gcagctcagg agtcagggtg tacttttagga ttgttacagt gacaaacagt 60
 agcgggtgcta ttagaggcct gaggtctaata agtaggactt catatggcat tgatactttg 120
 tgtgccttgt gctgttggac tgaagaaggc caaaagcact gtgcctttaa aactcatcta 180
 cctttttttt tttttttttt tgagacagag tctcactcat ccagcctgga gagcagtggc 240
 acgatctcag ctcactgtaa cctccgcctc ccgggttgat gagattttcc tgcctcagcc 300
 tcccagggtg ctgggattac agaggcacat gccccatgtt gtattttctt tagtagagat 360
 gaggtttttac catgttggtc aggtgtgtct cgaactcgtg acctcacgtg atccacccgc 420
 ctcggcctcc caaagtgtg ggattgcagg tatgagccac cgcacctggc ctctgttggg 480
 tttccagtta cgaccagcgt actctgggtta gatgctgtgg aaggtagaat gcagcatgca 540
 ggtgagctgc tgggagagaa acccttacag aataatttct ctaaagacc taacagatgt 600
 ttgtggtttc cttttccttc tcattccttg cattttctag acccaagcca cgaacgagct 660
 ggagggaaatc tgcggtactt tgagcagtta ttggaggaag 700

<210> 2036
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2036
 actctgggtta gatgctgtgg aaggtagaat gcagcatgca ggtgagctgc tgggagagaa 60
 acccttacag aataatttct ctaaagacc taacagatgt ttgtggtttc cttttccttc 120
 tcattccttg cattttctag acccaagcca cgaacgagct ggagggaaatc tgcggtactt 180
 tgagcagtta ttggaggaag agagagaaaa aacgttaaca aatcagacag aagctgagct 240
 agcaacccca gaaggcatct atgagaggcc tgtggactac ctgcctgaga gggatgttta 300
 cgagagcctc tgtcgtgggg aggtgtcaa actggtgaga tgtgtgaggg ggctaggggtg 360
 ccaaagctgt ggacctggac tctggctctg ggcaggcaga tttggggaaag gtgttcttta 420
 ttctgtaggt acttttctca gtatatcccc cagtttttca tggcatctcc tgaggctgac 480
 atgtggatat tctctgaggt gtaggaaagg agactctctc ccctcgtgcc ccaggtagag 540
 tgttgctcct ctaagttacc agtgagctcg cctccttacc ccaatatgtc ccactttttg 600
 cttcactcac tgttggaag aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc 660
 atggtataag tggagagtaa gtctctgtgg taaagacacc 700

<210> 2037
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2037
 gtaggaaagg agactctctc ccctcgtgcc ccaggtagag tgttgctcct ctaagttacc 60
 agtgagctcg cctccttacc ccaatatgtc ccactttttg cttcactcac tgttggaag 120
 aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc atggtataag tggagagtaa 180
 gtctctgtgg taaagacacc agcgtgtact agagcttggg atcgagcctt tgagagccct 240
 gggatccctag tgcttcctga ggaggcccag gtgtgacagg ctctgagcct tttccatgcc 300
 cctgtctgca tggcttctac tggctcctcc accaagaaag gtttctcccc tgtcccagcc 360
 cttcagacct actcaagtct tcacgaaaag ggtcaggaat tactttctgc catgggactt 420
 gaggatgtga ggtgattttg ggagagaaga aaaattgcat gattttgtggg gtgttatttc 480
 atgccagtta agctgaaggg gctctcctct cctctccccct cccccattc cccctctcc 540
 tcccccccc cctccccctc cctccccctc cccctccccct cccctctctc cctctctctc 600

```
ctcccccccc tccctccctt cctttcttcc ttcttttttc ttctcttttt cctgtttcct 660
nnttttcctt ttnttttnctt tctttcgtct canctgtcg 700
```

```
<210> 2038
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 2038
gctctctctt cctctccctt cccccattc cccctctctc tcccccccc cctccccctc 60
ccctccccct cccctccccct cccctctctc cctctctctc ccccccccc tccctccctt 120
cctttcttcc ttcttttttc ttctcttttt cctgtttcct nnttttcctt ttnttttnctt 180
tctttcgtct canctgtcg cccaggctgg tgtgcagtgg tataatcata gctcactgca 240
gctttgacct cccagccttg agcaatctc ctgccctcagt cctctgagta gctgggacta 300
caggtagtga ccatcatgcc tggctaattt tttagagaca ggtctatgtc atctaggctg 360
gtcccaaaact cctggtctca agctatcctt tggcccnca gagttctcgg attacaggca 420
tgagccactg tgcattgcca cctgctggga cttttgtttt cttctgtggt gtggtgggag 480
ggagcagctg ctggccatga ggtgagtcca gtgtctgcag acagccagac tgggaccgag 540
gattaggact cactcagctc agggcctgtt actctgtgct ttccagacac cccgtagaca 600
gaagaggctt ttctgtagg accaccatgg caacaggggc ccacagctgc tcattgcccc 660
cttcaaagag gaggacgagt gggacagccc gcacatcgct 700
```

```
<210> 2039
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2039
ggtgagtcca gtgtctgcag acagccagac tgggaccgag gattaggact cactcagctc 60
agggcctgtt actctgtgct ttccagacac cccgtagaca gaagaggctt ttctgtagg 120
accaccatgg caacaggggc ccacagctgc tcattgcccc cttcaaagag gaggacgagt 180
gggacagccc gcacatcgct aggtactacg atgtcatgtc tgatgaggaa atcgagagga 240
tcaaggagat cgcaaaacct aaagtaggtg tcaactgtagg tccttctcgg gtcactgaag 300
ggggaaggct ctttttctca tccctagcac tatgggtggt tggtttgccc atctagccac 360
cctttatcca tatctagcat gggcctaccg tggggatata gagatgcttc agactcagcc 420
tgaccttggt agttcatggt ccagtggaa aagaacaggg taaccaatgt ggacagccaa 480
gtgctatcat agaaggctac gctgggaaca gggcaggtct acactggtgt gtcagtccac 540
ctggttgagg gactggtgct tgggtgagtt ttttggaat gttccatagg atgctatgaa 600
gctgggtcct gtggagctcc tgattaggac tgtaaatgag gtgaatgact tagaggagaa 660
tgtatatctt tataatattg ggtcttctca tccaagggca 700
```

```
<210> 2040
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2040
gctgggaaca gggcaggtct acactggtgt gtcagtccac ctggttgagg gactggtgct 60
tgggtgagtt ttttggaat gttccatagg atgctatgaa gctgggtcct gtggagctcc 120
tgattaggac tgtaaatgag gtgaatgact tagaggagaa tgtatatctt tataatattg 180
ggtcttctca tccaagggca tgacaggtct ctccatatct ttttaagttt tcttcatata 240
agccttgaac atttcttaag tttattcctt ggtagtttct ttgttactgt taatttactt 300
tatttcttca ttattatttt taactgggta cattatttta ttagtttact atttatgccc 360
aaactattga ttttacaat acatttcata gtaagagcta atgtttactg aattcttaac 420
```

```

tgtggcagga acttctaagt gcttaacata tatattaagt gttatgtcac agttatgaac 480
agctgctcat aatgatgtca ctgtctctgt tttacctatg aaaaagcaaa ctcatacaga 540
ttgcagctag tgggtgaatt tacttatttc ttttttggtt ttttagctgat ttctctttgg 600
ttgcctggat agcattaaca cctggaaata aggaaaattt tattttctcc tgatacttgt 660
agttcctttg tttttataac cttattgaat tgcccagaac 700

```

<210> 2041

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2041

```

ctgtctctgt tttacctatg aaaaagcaaa ctcatacaga ttgcagctag tgggtgaatt 60
tacttatttc ttttttggtt ttttagctgat ttctctttgg ttgcctggat agcattaaca 120
cctggaaata aggaaaattt tattttctcc tgatacttgt agttcctttg tttttataac 180
cttattgaat tgcccagaac ttctagagca taattacgta gaataggcat ccttgtctca 240
ttcttgaatt tcctggaaat tcctatggta ttttactgct aagaatgcag ttggctgttg 300
gttttgata tatgccatgt tttaaaatta ttcttctggt tctagttcat aaaagatttg 360
ttccccattt gacatctttc aaagagacct atttgctgcc atatcccatc actgatgatt 420
gggaggggag atttagctcg attctctatt gctctgctcc taatagaatt gtaggggccc 480
aggtagccag gagggccgac actcatggag agacctgaaa taggttccta tcctggcccc 540
tggaacctcat cttggaacag ctttggttg aggtactagg acatctaggg ctttgagtca 600
gtggttgcca tcatcgatgt ggctgaggaa gggggctagc cagatatatg gagaatgggg 660
actaggactc ccctttctac tcagctccag agtctctccag 700

```

<210> 2042

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2042

```

actcatggag agacctgaaa taggttccta tcctggcccc tggacctcat cttggaacag 60
ctttggcttg aggtactagg acatctaggg ctttgagtca gtggttgcca tcatcgatgt 120
ggctgaggaa gggggctagc cagatatatg gagaatgggg actaggactc ccctttctac 180
tcagctccag agtcctccag gaaagaaaac tactttgttg gttgtgccag gatttctctga 240
gagatttctt acccgttctt cagttccaga cactgagaac atttctctgt gcatgtgtgc 300
atatgtgtac acatgtgtgt ggctggccag ngggtagtgt taggaaaaga tatatttgaa 360
tagaagccat gcaaagagcc aaacaaggtt ggcaaacatg tttggctctt aacatggctt 420
ctattcaaag ataagctgac cctcctttc cggagactgt gagggacaga tgctattctg 480
gctttgaagt agagccaatg agcttaactt ggctgtggg gaatgcctgg cagctgtctg 540
tggggtctct ggctgctttt caaaatagcc ctgtgcttcc cctggggcag agcacagctg 600
ctcagagcct ctttgtgggt gtcaggccaa tgctgaggca cagatgtttg gatggggtct 660
ggctgtggct gcagttttca gggagggact gacatgagct 700

```

<210> 2043

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2043

```

agcttaactt ggctgtggg gaatgcctgg cagctgtctg tggggtctct ggctgcttt 60
caaaatagcc ctgtgcttcc cctggggcag agcacagctg ctcagagcct ctttgtgggt 120
gtcaggccaa tgctgaggca cagatgtttg gatggggtct ggctgtggct gcagttttca 180
gggagggact gacatgagct gaagctcagg aagggccatg agtaggagct tgggagccgt 240

```

```

ctgtcctgct tgtgctggcc atcttaccag atcatgccat agcagcacag tgtccaagtt 300
ggtccatctc acccccttac tagccttctg gtccatctac tcctctccat cccttctgcc 360
accacctggc ccgggccacc atcatctctt gccctgacct ctgtcgtggc ctactagacc 420
tcccagtcct cactctggcc cctcattagt caactctcca tgaggatttc acagtgatcc 480
attttacatt cacattttga gtgtccctcc cctgcataaa gccttcccca tttctcgttg 540
gccacaaggt tgcatttagt tctagcccc tgttgtctc ttcagcctgt tctctcttac 600
tacttcccat aacctttaat ccacacctac tgcaacaccc attttcattc ccaggcctct 660
ggattgctgc tctttccctg ttctgtgaat gtctctctac 700

```

<210> 2044

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2044

```

gtgtccctcc cctgcataaa gccttcccca tttctcgttg gccacaaggt tgcatttagt 60
tctagcccc tgttgtctc ttcagcctgt tctctcttac tacttcccat aacctttaat 120
ccacacctac tgcaacaccc attttcattc ccaggcctct ggattgctgc tctttccctg 180
ttctgtgaat gtctctctac ttggataact catgttaacc cttcaggcct cagctagggtg 240
gtctcctccc ctaggaagct attcttgaca ctataccctn agcttccana ggatggtaag 300
ttcacccatg ctgtgctgca gttacctgac tggttttctg ctttccccac ttgactgagt 360
tgtaagagtg cagggggccat gtctcagtta cctagcatag tgccaggcac aaagtaggca 420
ctcatcaata tttattgaaa tcaaggggaa gtgtgttggg gtgggagtag ctgggcctat 480
ggccccaccc atgtgaggtc atgaggacag tccacagctg aagcacatgg acctttgcca 540
tggttggtgg ctctggggcg cgagtccccc ttgggggttt actaagccta actgtggagg 600
ctgggggaga tgaagtagat gcagggagtg catgtgtagt gtgtacctgt atgagtgggt 660
ggcttccagg cagtgggttca cttattttta cttacagaat 700

```

<210> 2045

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2045

```

atgaggacag tccacagctg aagcacatgg acctttgcca tggttggtgg ctctggggcg 60
cgagtccccc ttgggggttt actaagccta actgtggagg ctgggggaga tgaagtagat 120
gcagggagtg catgtgtagt gtgtacctgt atgagtgggt ggcttccagg cagtgggttca 180
cttattttta cttacagaat cttttcctgg tttatcatc tgacttgtaa ggatcccaag 240
ggagcgaaaa ctgtgccatc tgtctttgct tcttgaggct gtgggaaccc agtgtgaggt 300
ggtgcagcag gagagtgttt ggatgggttt cttggcagag gagccactg aggttcggaa 360
ggatggtgga acttgactca attgagagaa gtacataagg cggaggctca ggcattggtg 420
cacagtctga aaatggtggg agtagctaag ctgaggcagg ctgtgctcag gcagggtggt 480
tatgtgggcc tggcaaggaa aggggctagt caggcagatg catgggtaga caaggcaggc 540
ataattctgc aggcacaaagc gacctgggga ggagaaggga tgagcagtga ccgagcaggg 600
caatagccag naactgattg cggattggga atgtggaggc ctcagactct tgccctcaac 660
tggcctgcag gatcttgggg ccttggctag agccattggc 700

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<210> 2046

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2046
 aggggctagt caggcagatg catgggtaga caaggcaggg ataattctgc aggcaaagcg 60
 gacctgggga ggagaaggga tgagcagtga ccgagcaggg caatagccag naactgattg 120
 cggattggga atgtggaggc ctcagactct tgccctcaac tggcctgcag gatcttgggg 180
 ccttggctag agccattggc tgcaaagctt cctccactag catggcagta aatctgggtcc 240
 cagtgtcttc tgggaaaata ttcaaggcaa aacaaacaaa caaacaaatc aagtcttccc 300
 tctcctcctt ccttctagct tgcacgagcc accgttcgtg atcccaagac aggagtcttc 360
 actgtcgcca gctaccgggt ttccaaaagg taagcaaaga gcaggggttc gtagctgctc 420
 aagccccaac ttcaggactt ctcagtgcct accctagggg tgggtggctt gccttttctc 480
 gcctgctggc acctcctcac ccccttgcag caggcatcct gtactgcctg ttcatgctgg 540
 ccctgactct ggggacagag ttcaggaccc catggaagcc tgcccttcgc tcttcttttc 600
 tctgcccttt tctttttgcc cagctcctgg ctagaggaag atgatgacct tgttgtggcc 660
 cgagtaaata gtcggatgca gcatatcaca gggttaacag 700

<210> 2047
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2047
 ccccttgcag caggcatcct gtactgcctg ttcatgctgg cctgactct ggggacagag 60
 ttcaggacct catggaagcc tgcccttcgc tcttcttttc tctgcccttt tctttttgcc 120
 gacctcctgg ctagaggaag atgatgacct tgttgtggcc cgagtaaata gtcggatgca 180
 gcatatcaca gggttaacag taaagactgc agaattgtta caggtaacaga tagtacctgg 240
 gactgtagga gttgggaagt ggggtattgt ggctagatgg tctcacaggg tgtccagaac 300
 tgggccaaga ggcccaactg tatgactact gcctgatgct atgaatatgg agtgatctca 360
 ttttaggaaa ccagaattaa tcatgcctgc tggctttcaa caattagtgt tcaacaaata 420
 tctattgagc atctnctgtg tgcccaagtg tgctgcaagc tagggatcag gggtagttat 480
 ggtaggttcg ttcatgtcct cttgacaaca gaagctcaaa tcctgaatgg tctcagggac 540
 atctctaaga gagctaaaaa tgacttcaga ggccatgggt ctgtgtcata atcaaataca 600
 tttgaaggtc aaagtattct gtgtgttttc tcctgctgna ccacaactga agttgctcca 660
 aaagcagcag caggggactt cccatgaggg actgccaaga 700

<210> 2048
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2048
 cttgacaaca gaagctcaaa tcctgaatgg tctcagggac atctctaaga gagctaaaaa 60
 tgacttcaga ggccatgggt ctgtgtcata atcaaataca tttgaaggtc aaagtattct 120


```

gtgtgttttc tctgtctgna ccacaactga agttgctcca aaagcagcag caggggactt 180
cccatgaggg actgccaaga tggggtcagt tgagaattca aagaaagcgg cactaaaccc 240
ctgggtcttc agtccacagc atttattagg gaacttgcag agtgggctgc agcaatcctc 300
aaaatggaca gcaagagaca agaattgttt tacctaagta tttccacagt gagggagtca 360
gagtgtggag tttatttgag ggtttaggga atttggttca gggctggggc tagtttcttt 420
cagtgttatg ggcaacaacc taaacacctt catcagtgcc tgggaatgtt gaagactcca 480
gcttgtgttc cagcctgaag ggaaaaacct gcagctggct gggtcacaga gctgtcaagg 540
gagtctgatt ttcagtcaga acaaagaaag aaaggcgggg tgggtctggg ggaccttaca 600
ctgtgatatg taggtggaag tgagaggcct ggactgggta agctggtgca ggtggaatgt 660
tcttgtccaa gtactccac tgggaccctg gcttctctgcc 700

```

<210> 2049

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2049

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ggaaaaacct gcagctggct gggtcacaga gctgtcaagg gagtctgatt ttcagtcaga 60
acaaagaaag aaaggcgggg tgggtctggg ggaccttaca ctgtgatatg taggtggaag 120
tgagaggcct ggactgggta agctggtgca ggtggaatgt tcttgtccaa gtactccac 180
tgggaccctg gcttctctgcc tttattcaga ggtgatattt aagaaatgtg gcagcaccct 240
gctgaaagggt tttgggtaaa gctccttatt aaagtatcct cttgggtaaa gcttagtaaa 300
gtgtcctctt gggatttgag tccaaatcag cactggctat gttcccttat aaatattgga 360
acttctgtgt tctgttgtaa aattgatgac ctgagacacc ntcagagaag tttcactggc 420
atctttctag aggcctctgg gtctctctgt ttggccaaag tttctgtata cttaaagata 480
gcagccttta cttttaggat tggcatttgg gtctgatcta ccatagatct cattagaata 540
ttgattaaag atcatttggg aaagattttt tgaacttttg cttggacacg cctaagcaaa 600
tcagccttct ttttgttggt tttctgtgtg agctgcatca gcaattggaa aatcaatttt 660
gaaggctcatc tttatggatt ggtgtgaagt ctaccagagt 700

```

<210> 2050

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2050

```

tggcatttgg gtctgatcta ccatagatct cattagaata ttgattaaag atcatttggg 60
aaagattttt tgaacttttg cttggacacg cctaagcaaa tcagccttct ttttgttggt 120
ttttctgtgt agctgcatca gcaattggaa aatcaatttt gaaggctcatc tttatggatt 180
ggtgtgaagt ctaccagagt tttaaaaagc atactgatta ctttgcaaat agtactgtga 240
aattttaatt tttttttcag ttcagctcaa cttagtgttt tgtaattttt aaataaattc 300
tgcagataag cacatccatg gaggacttct gcctcatctc ccacttgctg cgtatgtgta 360
agagcaccac catttcaaga gtgataggca ctcttgatgt gctagatgag tccctgttgg 420
cattgtcttg attcatatct tcttggagca ggtttttgtt tttgttttta aagacatctg 480
ccactgcttc ctctgtgtta gagccagtct tcaggacttt catggctctg atcaaagacc 540
acagtctgct tggctgattt cataccctgg accaagaggc tgagtagaca ggacctgtgg 600
ctctgttgct ttcttggtta gctgtgcggc tgtactcact gtatccctgt cttacactca 660
cccgtggaag atagcagctt cttgcctatg gactgacttc 700

```

<210> 2051

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 2051
gagccagtct tcaggacttt catgggtcctg atcaaagacc acagtctgct tggctgattt 60
cataccctgg accaagaggg tgagtagaca ggacctgtgg ctctgttgct ttcctggcta 120
gctgtgcggc tgtactcact gtatccctgt cttacactca cccgtggaag atagcagctt 180
cttgccctatg gactgacttc tctgctacaa ttcagccttt atcttgtctg gcctctcatt 240
gtgtttagag tcaattgtct ggggcccga tgcagacct cttggtagag gggctcttat 300
agttaaggat cttctggaaa ttcagaccac agctgccaa tggttgagat gccatttttg 360
tttgatttct tctcctagga actgtctcga catttccttt gccagtcagt ggtattgaag 420
gctttgatcc ttcatgggtc ggggaacagg aacctgggtt tcagcatgta tccctaagt 480
cttactccat atgaaatgct tgtggtaga tacatgccta ggcaccagca acagccctca 540
caccaggtcc tttaggaaat gctgcaggcc tctggaaagg agctggttct tctatctgtt 600
gacattcttt cagctgtagc tcacatgttt gctgtagatc atttgaagga aaaaggtaat 660
tgaggctttc tgggtgaattg gatgagggct tatctgatag 700

```

```

<210> 2052
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2052
tgtggtagatg tacatgccta ggcaccagca acagccctca caccaggtcc tttaggaaat 60
gctgcaggcc tctggaaagg agctggttct tctatctgtt gacattcttt cagctgtagc 120
tcacatgttt gctgtagatc atttgaagga aaaaggtaat tgaggctttc tgggtgaattg 180
gatgagggct tatctgatag agaggaagag atgctacacc tctaggattc taaagattga 240
agactttggc tgcattgatgt ctcagcctca ccagaaaagt gatttctgac ctttttaatt 300
ttgcctttac tctgtcctta gcattgtaaa taccacntc tttcaaataa ctgacccac 360
tcttacaata gtaagtctaa agatttaagt gaatacctcc tcacatgaat cggctctgac 420
gtacagtttc ttgttattaa aggcgtgagc ctggggactt gagtatgcct ggatagggaa 480
tcttactgct gcaaatctag atgggcctat gcattttgta cttatttggg aactgtatta 540
aagaaaagtag gtacgggtggc ttcagaacca taatcaaata taattctcca aacctaaaag 600
atgagccagc tctcgcaatg cagcttcttt cactgcctgg gatttgtaaa tttgaagcaat 660
ccatttaaca agtggaagta ttggaaaatg cagtcatact 700

```

```

<210> 2053
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2053
atggtcctat gcattttgta cttatttggg aactgtatta aagaaagtag gtacgggtggc 60
ttcagaacca taatcaaata taattctcca aacctaaaag atgagccagc tctcgcaatg 120
cagcttcttt cactgcctgg gatttgtaaa ttttaagcaat ccatttaaca agtggaagta 180
ttggaaaatg cagtcatact ttgcagctcc agcaacaagc actaattgaa ttttcctgag 240
tgtacctgca cagcagtcac agttgtgttt aaaattttct tccatgccag gtgtcgtggc 300
ttacatctgt aactcagtag ttggggagac caaggcagga ggattgctcg aagccaggag 360
tttgagacca gtctgggcaa catagtgaag ctctgtctct acccccactc cccccaaaaa 420
aaaggagaga gaaaaaaatt ttcttcaagc tcttgactac aaaaagagat atgctttctc 480
agctgtctcg gcacttctct ccttagatgc atctccagcc ttagggccac ctgctgaacc 540
aggcttcctt gtgctgttga caggatttcc aggtattttt ggtacaggaa tcttaaggc 600
tgaagcaatg gatgacaaca tgttttcac catgctttgt attaaaattt ttatttttgt 660
agacatggaa aatgatactg ccaacatttt gtgctctaata 700

```

```

<210> 2054
<211> 700

```

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(700)
 <223> n = A,T,C or G

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<400> 2054
ccttagatgc atctccagcc ttagggccac ctgctgaacc aggccttcctt gtgctgttga 60
caggatttcc aggtattttt ggtacaggaa tcttaaaggc tgaagcaatg gatgacaaca 120
tgttttcatc catgctttgt attaaaattt ttatttttgt agacatggaa aatgatactg 180
ccaacatttt gtgctctaata aagaggattt catctcttat aaagtccact gtccctttct 240
ttcttgcaatt tctttttttg tgtgtatgtg aaacagggtc tcaactctgtt gccagggctn 300
gagtgcagtg gcacagtcac agctcagtcg aaccttgaac tcctgtgctc aagcaatcct 360
nctgcctca gcttcttgag tagctgggac tacagggtgca cgccactgtg cccagctaata 420
tttttcatta gtagagacag atgggggtctt gctatgttgc ccaggctggg ctcaaacttc 480
tgagctcaag cagtcctctc acttcagcct cccaaagtgc tgggattaca ggcgtgagcc 540
aacacgcctg gcttctgtcc caggttttta taggtctctg ttattgctag tttttagtag 600
tctctcacct gactgttggg attgcagaaa aggatataca aaaaatacca actttctgag 660
aacttatggc ctagccccag aggtttttat gttttcagtg 700
```

<210> 2055
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2055
acttcagcct cccaaagtgc tgggattaca ggcgtgagcc aacacgcctg gcttctgtcc 60
cacgttttta taggtctctg ttattgctag tttttagtag tctctcacct gactgttggg 120
attgcagaaa aggatataca aaaaatacca actttctgag aacttatggc ctagccccag 180
agggttttat gttttcagtg agacacaata gccactgtt cccagatgga cattggtggg 240
gctacttgat ccatcagctt ccatgtcaga ttctgtgctt catctttaac cttgtctctc 300
attctgtcta ctgacgtga gacaataatt gtgatttagg acttccatt gtgctgataa 360
gctgtccaca aaggcattta caatttctaa tccaatttat gacacctggg agttgctcag 420
atgttacttc aggtccaggg tcacactggg gttgctgatg tagcacggtg attcttgact 480
gcttggcagc tggccaccca tggtgtgctg ttctactcca tgcagtagac cactgtggga 540
gtctgcccc ctcagtctca ccaggaatag cagagggtgg aggaacagtg ccagggtgctg 600
agtacctcca aaactagttt aaaaaagaaa atcctcgtct taaatttggt actcactttc 660
ctctggatta ctttcttaat atgtcccaaa caaactgggt 700
```

<210> 2056
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2056
tggtgtgctg ttctactcca tgcagtagac cactgtggga gtctgcccc ctcagtctca 60
ccaggaatag cagagggtgg aggaacagtg ccagggtgctg agtacctcca aaactagttt 120
aaaaaagaaa atcctcgtct taaatttggt actcactttc ctctggatta ctttcttaata 180
atgtcccaaa caaactgggt ccaggccagg gccgcctca agcagtgttc ctttctgtgc 240
tgtctgagtg tccatgaagg gctgggtgctt ttctcagtg atcatatgca gttcacccat 300
cttgttttgt ttgggaaacc acatttgtgc cgcagcctta ctcttggaac gaactgtaga 360
cttgtttgtg atgtttgtct tgccgtgctt gccagggcac gggtgtcttc caccttagag 420
aggctgctct tgggagttct gggtgttttc aggcctggga agatggtatc cctagagtga 480
ttggctgcta cagagctggt catgctgctt acaaggctca atgctgttat ttccacagg 540
ttgcaaatta tggagtggga ggacagtatg aaccgcactt cgacttctct agggtaaggc 600
ctaaatcaca ggtgctttca aagggcctct ctctagctga tttgagaagg gtggagcttc 660
taggagcatt tcagcctcca catcagtacc cccaccctt 700
```

<210> 2057
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2057
 catgctgctt acaaggtcta atgctgttat ttcccacagg ttgcaaatta tggagtggga 60
 ggacagtatg aaccgcactt cgacttctct agggtaaggc ctaaatacaca ggtgctttca 120
 aagggccctg ctctagctga tttgagaagg gtggagcttc taggagcatt tcagcctcca 180
 catcagtacc cccacccctt gtccctccctc caccctctgca tcaccagggg aaactcttctg 240
 ttactgggtga atcccaaate tggaaccaag ggtcctgcag aatgcagtgg agcctggctg 300
 tctccctgt agatgtgggg cgttcgtccc ctgccctaatt tctgtcacc tttgccctga 360
 ttctaaagca aagagcctca ctaggctctt gtgaaaactg ttcttgtccc ttttctctt 420
 ccccgctctac tccatgccct agccagaatt tactttgcag ctttggcaca tattccaggc 480
 tgatttatgg aacacacact tattactttt ccttgaccct tttgggtccta gtcttgtggg 540
 tgggtggatga agcctgttgt aaacttgggt gaaagtgtgt gtctgttgca gcgacctttt 600
 gacagcggcc tcaaaacaga ggggaatagg ttagcgacgt ttcttaacta cgtaagtact 660
 ggggccaggc ccacctgttc attctcactt aattttgtag 700

<210> 2058
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2058
 tattactttt cctgaccct tttgggtccta gtcttgtggg tgggtggatga agcctgttgt 60
 aaacttgggt gaaagtgtgt gtctgttgca gcgacctttt gacagcggcc tcaaaacaga 120
 ggggaatagg ttagcgacgt ttcttaacta cgtaagtact ggggccaggc ccacctgttc 180
 attctcactt aattttgtag aatgatgagc gagatacttt caagcattta gggacgggga 240
 atcgtgtggc tactttctta aactacgtga gtatgatgtg tgctgatgag ccctaagggg 300
 accctgggtc cagagggctg ccttatatcc ccccccatc agggctgatc tcatctgctg 360
 ttaagtaatg gtcaggctct tctggctctc agcacccttc ttggctgcag tagggagagt 420
 tggcctctgt ttctattcat tttccccact gccaccagca ggactttaac attcctggct 480
 cctatttttt tccccagtg ttaaaattgt gataaaacag acataacata aaacttacca 540
 tcttaaccat tttttaaatg tacggttcag tggattataa tacattcata gtgcgcaagc 600
 atcaccacca ttcatttcca tctattttca tcatctaaaa ctgaaactct acccattaag 660
 caataattcc agattcccct cctgcagctc ctggcagcca 700

<210> 2059
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2059
 ttaaaattgt gataaaacag acataacata aaacttacca tcttaaccat tttttaaatg 60
 tacggttcag tggattataa tacattcata gtgcgcaagc atcaccacca ttcatttcca 120
 tctattttca tcatctaaaa ctgaaactct acccattaag caataattcc agattcccct 180
 cctgcagctc ctggcagcca ccattctgct ttctgtcgt ntgattttgg ttacttaaat 240
 aaatggaaac aaagtattaa cacttgtctt tttgtgtggc tgggtgcataa tgtcctcaag 300
 gtttatccat gttgtagcat attctggctt cttcttcttc tttttttttt tttttttttt 360
 tttggagatg gagtcttgct ctgtcaccga gactggagtg cagtgggtggg atctcggctc 420
 actgcaacct cagcctccca ggttcgagtg attctcatac ctgagccttc caagcagctg 480
 ggattatagg cgctagccac aacgcctggc taatttttgt attttttagta gagatagggg 540
 ttcaccatgt tggccaggct ggtctcaaac tcccagctc aggtgatccg ccccccctcg 600

```
cctcccaaag tgctgggatt acaggcgtga gccactgcgc cctgccattc tggttcccttt 660
ttgatggggcc cagtgcctagt ctggactttt gggatgggtg 700
```

```
<210> 2060
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 2060
aacgcctggc taatttttgt attttttagta gagatagggt ttcaccatgt tggccaggct 60
gggtctcaaac tcccgacctc aggtgatccg cccccctcgg cctcccaaag tgctgggatt 120
acaggcgtga gccactgcgc cctgccattc tggttcccttt ttgatggggcc cagtgcctagt 180
ctggactttt gggatgggtg ccctggaggg ttccctcctt ggcatcagag tgaggagata 240
gccttagctc tctctagatg agagctgcct ttgtgttctc caaggcttaa tggcctgatt 300
cccacctctt gcctctgttt tatccatagg ttgtagggtt tatctttcac atgaggagca 360
gtttcctctc ccctctgctg agagccagct ctaaagaggc atagaggcag taaagtaact 420
tggagacaga agcctgtgtc cattttttcc ctttatgctt ttattgtgtg gttattacat 480
gctggggatt gtgctgtgta catgctgggt agcagaacat atgtggtctc ncttgtgctt 540
gaggtccaat atgagagact tattttaaac atcagagaga ttcttcttta tctttttttt 600
tttttttttt tgagacagac tctccctctg ttgcccaggc tggagtgcag tggcgctatc 660
tcagcttact gcaaactctg cctcccagggt tcaagcgatt 700
```

```
<210> 2061
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 2061
catgctgggt agcagaacat atgtggtctc ncttgtgctt gaggtccaat atgagagact 60
tattttaaac atcagagaga ttcttcttta tctttttttt tttttttttt tgagacagac 120
tctccctctg ttgcccaggc tggagtgcag tggcgctatc tcagcttact gcaaactctg 180
cctcccagggt tcaagcgatt ctctctgcctc agcctcccaa gtactctggga ttataggcgt 240
gcaccacat gcccagctaa tttttgtatt tttagtagag atgaggtttc accatcttgg 300
ccagactggt ctcaagctcc tgacctcaag tgatccaccc gccttggcct cccaaagtgc 360
tggcattaca ggcgtgagcc accatgcccc gcctaaacat cagagagatt attatgtagt 420
tatggagaca ggtgctgtga accccaggct tggggttcag tggaggcctc tctttggaag 480
taacatatca gttgagactt aaaagttgag tggaaattag ctggtagaac atgggtttctg 540
gcagaagaga gagtgtatgt agtcctgtaa gagaaaagga acttgggatg ttggaaagggt 600
agaaaaaggc tgggtgtgtct ggagagaggc tagtgagact gacagggcct tggggttcta 660
gaaaagaatc tgagttttag ccacagggt gtgagaagcc 700
```

```
<210> 2062
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2062
aaaagttgag tggaaattag ctggtagaac atgggtttctg gcagaagaga gagtgtatgt 60
agtcctgtaa gagaaaagga acttgggatg ttggaaagggt agaaaaaggc tgggtgtgtct 120
```

```

ggagagagggc tagtgagact gacagggcct tggggtttcta gaaaagaatc tgagtttgat 180
ccacagggct gtgagaagcc atcagagctt ttgtcttatt catttaccat atgtctgtca 240
agtacccttc agtgagtctg gtatgtgtcc tgtggaaata ttttttacct ccaattttta 300
ttaaattatg gacaaaaaaa gtaagagagc cagatgggaa agaagtagtg ctttggccat 360
gagtcaaggc atgctctgtg ggcatgagta cagccttgct agtgtggaac ttgtgttcaa 420
tgtagtttaa ggccttacca taggagaaag cagggcctct agagacacag tgccccaccc 480
ttccactcag ttggccccag gaaggggtggc tactctggga aggtgaaggt ctgactagag 540
cagcaaacta cttagagccag agaaacagag ctgcagtggg gactgcacat ggtgttggaa 600
acagtacaga gctcctggtc agggcacttt gcagagtaca gtggcttagg caaggccaag 660
gctagatggg gattcaaagg gtggggctcag aacaggcatt 700

```

<210> 2063

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2063

```

gaaggggtggc tactctggga aggtgaaggt ctgactagag cagcaaacta cttagagccag 60
agaaacagag ctgcagtggg gactgcacat ggtgttggaa acagtacaga gctcctgggc 120
agggcacttt gcagagtaca gtggcttagg caaggccaag gctagatggg gattcaaagg 180
gtgggggtcag aacaggcatt ttctgagtac agactcagat tattttcatc cagggacagc 240
ccggatgtgg gtctcctgtg ggctcaact cttgaacact catgacatgg agactgttct 300
aatgaatcac actggttaag taggcatggg aagagccttt cttggctaaa gggctggcca 360
tggagcagac accaagtagt gtcactcatg ctgagaggag ggcaatctat atacctgtc 420
atgtcctttg tggctcaatt gctctgagag ccttgggtag gagggccaag ctctatgtct 480
tatattttcca gatgagtgat gtagaagctg gtggtgccac cgtcttcctt gatctggggg 540
ctgcaatttg gcctaagaag gtaagttctg attctgtgg gtcagaggtt gaagcaaggc 600
tcagacttta ctttgtccat gtccccagt accattacct ggctgcctg attgtcactg 660
tgatgtgcct tagccacct ggggtctgac ctggtagccc 700

```

<210> 2064

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2064

```

gtagaagctg gtggtgccac cgtcttcctt gatctggggg ctgcaatttg gcctaagaag 60
gtaagttctg attcttgtgg gtcagaggtt gaagcaaggc tcagacttta ctttgtccat 120
gtccccagt accattacct ggctgcctg attgtcactg tgatgtgcct tagccacct 180
ggggtctgac ctggtagccc agcttctccc tgtgaagaaa ggacaggagg ggaagtccct 240
tcaggggtgg gtgagttccc agacttctac ctcagaaagg taggtgcttt ctgggaaatg 300
tctctgttgc tggagtccca gagccctatc ccctgtccat gggaaaatga ggggtgttct 360
gctcagggca gagcttctgt gatgcttgca gtcaggctcc tgagcacagt ctcttaagaa 420
tgtgttctga aaggccatct ctttcccagg gtacagctgt gttctggtac aacctcttgc 480
ggagcgggga aggtgactac cgaacaagac atgctgcctg ccctgtgctt gtgggctgca 540
agtggggtga gtgtcttaag gggtagtggt ggtgttggtg gcctcagctt gggctttgct 600
tattggcctt agattctgag ctgggaggca actgctgcca aatttgctga gactgtctcc 660
cttcttaggt ttttttctgc tgttattacc atccagccat 700

```

<210> 2065

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2065

```

cgaacaagac atgctgcctg ccctgtgctt gtgggctgca agtggggtga gtgtcttaag 60
gggtagtggt ggtgttggtg gcctcagctt gggctttgct tattggcctt agattctgag 120
ctgggaggca actgctgcca aatttgctga gactgtctcc cttcttaggt ttttttctgc 180
tgttattacc atccagccat gtaatgtcca tgcagctggg aaatgccaaag gcagctgggt 240

```

```

ggaaacactc agagatacac aggaagctga agaaggcctg aggacgaata gctgcataag 300
caccataggt ccaggaccct ctggcaaggc ttctgagggg gcagagtggg gagctggaag 360
cagtgagggg aaagagtgtc tcaggcaaac aaggcccata tggatggagg cacaggctaa 420
aaccagcata cgggtgtggg ggctggctcc cttgtcactt gaagaaaagg aggcctgtgg 480
cacagggggc agaagatgag gctggaggct gggaccaaac tgcagaggct caagcttgag 540
ccttatcctg ggagcagttg tggtagcct cggagaggct caaaccagga tatgacagga 600
agtgtttgta aggagatgag tgtgtagccc ccttgagag ttttgaagat aaatagtgat 660
aggtttgcag ataattaagc aaatggaaaa gaaaacaagg 700

```

<210> 2066

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2066

```

gctggagggt gggaccaaac tgcagaggct caagcttgag ccttatcctg ggagcagttg 60
tggtagcct cggagaggct caaaccagga tatgacagga agtgtttgta aggagatgag 120
tgtgtagccc ccttgagag ttttgaagat aaatagtgat aggtttgcag ataattaagc 180
aaatggaaaa gaaaacaagg cagttgtctg attcagggga aaaaaagttg tacaagaaag 240
gaaatgtaag tataatctac tagatggctc aggtgtaaca catgatataa ttatgtacac 300
actgagtatt actttaacta aaacttatga tttacctgta ctggaaaagg gggaggggat 360
gagtttgtgt tttaggggta gaataaaaga attccaaagt tgaaagtcaa ggaatagaac 420
tataagcatc ttatctagaa aaatgagggt aaatatcaga agaaacagct agaggagttt 480
aatgttccct gggagtggag attagggatg ggaaggagag gcttaggagg agtgctattt 540
atcattataa gccttgcgac aattttattt ttttcaatga agtacatgtt attactttat 600
attttaaaag ctctgtgact tcagtagtgc attgaaataa aatttttatt cattatgaga 660
gagtctgtga ggaacagaat catggttcct gtgtgtttga 700

```

<210> 2067

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2067

```

attagggatg ggaaggagag gcttaggagg agtgctattt atcattataa gccttgcgac 60
aattttattt ttttcaatga agtacatgtt attactttat atttttaaag ctctgtgact 120
tcagtagtgc attgaaataa aatttttatt cattatgaga gagtctgtga ggaacagaat 180
catggttcct gtgtgtttga agatatggcg tggggtgata gtgctggcag cagctctgtt 240
gctcttgctg ccatggcata cagactggat ctgctggctc acggctcctg aggttaatgt 300
ccaagccctc tgcaatgctg acagtcttcc tcatcctcac accctacctc tcagtttcta 360
cctgccacct cccagtaata ttaggcctct tgagtcccca acacacgtca ggggtggcttc 420
tgccctgatt actttctcat cctgttgtca ctccctggag cctcttgggtg agagaaccat 480
ctgggtatgc ccactcttct cccaggataa ctctctatga gcttttatatt ctagccctag 540
gatttctctt tccctctaag agcaagaaac atgtgtgcag gttgccatgg gaatagagcc 600
aaagggcatc aaagggtcatg ggcattgaaag ggcattgatta gatgcccttg ggtgctattc 660
ccatggcaac ctgcacacat gtatcttgtc ccaactggcag 700

```

<210> 2068

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2068

```

cccaggataa cttctatgta gctttatatt ctagccctag gatttctctt tccctctaag 60
agcaagaaac atgtgtgcag gttgccatgg gaatagagcc aaagggcatc aaagggtcatg 120
ggcatgaaag ggcattgatta gatgcccttg ggtgctattc ccatggcaac ctgcacacat 180
gtatcttgtc ccactggcag aatttcatac aattatctgt ttacatgtgt cttccttacc 240
aattcttcag caaattgagg cctgagatca tgtcttgtct tatttgtgtc tgattccagg 300
gcacagtgca gggggtcatc atgaaggagt cattcattca ggctactaaa ctgaccaata 360

```

```

ggattgtaac atgcttgctt tcttttcaca gtctccaata agtgggtcca tgaacgagga 420
caggagttct tgagaccttg tggatcaaca gaagttgact gacatccttt tctgtccttc 480
cccttcctgg tccttcagcc catgtcaacg tgacagacac ctttgtatgt tcctttgtat 540
gttcctatca ggctgatttt tggagaaatg aatgtttgtc tggagcagag ggagaccata 600
ctagggcgac tcctgtgtga ctgaagtcct agcccttcca ttcagcctgt gccatccctg 660
gccccaaaggc taggatcaaa gtggctgcag cagagttagc 700

```

<210> 2069

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2069

```

catgtcaacg tgacagacac ctttgtatgt tcctttgtat gttcctatca ggctgatttt 60
tggagaaatg aatgtttgtc tggagcagag ggagaccata ctagggcgac tcctgtgtga 120
ctgaagtcct agcccttcca ttcagcctgt gccatccctg gccccaaaggc taggatcaaa 180
gtggctgcag cagagttagc tgtctagcgc ctagcaagggt gcctttgtac ctcagggtgtt 240
ttaggtgtga gatgtttcag tgaaccaaag ttctgatacc ttgtttacat gtttggtttt 300
atggcatttc tatctattgt ggctttacca aaaaataaaa tgtccctacc agaagcctta 360
aagagcctta cttggagtat ttttaagact ggaagctttt accagggtca tcatttcccta 420
tgcatacct tcatgcaggc agagtctgga taatgaatgc tttagcagca aaaaagcatc 480
ttgggtcttg gatttcagac ctggtttcaa cacttggtgt cctcctaagt gtcagtgtcc 540
ttttctggaa agtagggtaa atagtttctc tttgtctccc agagaacata gcacatgtgt 600
tcatgattgt aatgctgtta taatgtgtac ttcattttta aattttgaga taagaattgt 660
tcatgatata cagatgtata cttaaaaaaa tatgaagggtg 700

```

<210> 2070

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2070

```

ctggtttcaa cacttggtgt cctcctaagt gtcagtgtcc ttttctggaa agtagggtaa 60
atagtttctc tttgtctccc agagaacata gcacatgtgt tcatgattgt aatgctgtta 120
taatgtgtac ttcattttta aattttgaga taagaattgt tcatgatata cagatgtata 180
cttaaaaaaa tatgaagggt agcaggagca cctgtgtcaa caccaagtta gaaaagagaa 240
cgttttcaag tcagtacctc aggagccctc tgggaacccc tcctagatca catctccttc 300
actgccccca gcacttttga gataaatcat tgtctcatga tgtgtggtac tcattccttt 360
gcttgtcttt atagttttac catctatgat tagatcccta aataagtagt tattctgttt 420
tccttgattt tgaactttta ctaatagaat nagagtaaat atttttgggt atgtggcttc 480
ttttgttcaa cattgtttta agattcatcc gtgttgcttg tgtagctgta atttgtttta 540
atctttatag tacattcagt tttgttaatg cttattgtag gactgtacca taatacaggc 600
agcatgctgc tgataaacac tgggaattgat ttcagtcttt gtatattgtg aataatgctg 660
tgataaacat ttttatacat gattccctgg gcacatataa 700

```

<210> 2071

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G


```

<400> 2071
agattcatcc gtgttgcttg tgtagctgta atttgtttta atctttatag tacattcagt 60
tttgtaaatg cttattgtag gactgtacca taatacaggc agcatgctgc tgataaacac 120
tggaattgat ttcagtcctt gtatattgtg aataatgctg tgataaacat tttatacat 180
gattcctggg gcacatataa acacatattt ctgtaggata tatatctagg agtggaaatg 240
tggagtctta atgggtgttc aactttacta aataatgtat tccaagggtg ttatacacat 300
tctcaccagg agtaaatgag agttattacc ccaatctttt ccantattta gtattttcat 360
acttttgaat tttagctagc ttggtacatg ttacggacta aatgtttgtg tccccccacc 420
agattcatat gttgaaatct tttttttttt tttttttttt gngacggagt ctcgctctgt 480
cgcccaggct ggagtgcagt ggcgngatct cggctcactg caagctccgc ctcccggntt 540
cacgccattc tcctgcctca gcctcccaag tagctgggac tacaggcgcc cgccactacg 600
cccggctaata tttttgtatt tttagtagag acgggggttc accgttttag ccnggatggg 660
ctcgatctcc tgacctcgtg atccgccccg ctcggcctcc 700

```

```

<210> 2072
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2072
ggcgngatct cggctcactg caagctccgc ctcccggntt cacgccattc tcctgcctca 60
gcctcccaag tagctgggac tacaggcgcc cgccactacg cccggctaata tttttgtatt 120
tttagtagag acgggggttc accgttttag ccnggatggg ctcgatctcc tgacctcgtg 180
atccgccccg ctcggcctcc caaagtgctg ggattacagg cgtgagccac cgcgcccgcc 240
ccatatgttg aaatcttaac cccaatgtg atgatattag gatgcggagc ccttgggagg 300
tcgtaagcat ggagcccacg tgagtgggat tagtgccctt atgaagagat cccagccctc 360
tttctgccat gcgaacacac agcaagaaga tgctgtctta tgaaccaggg ggcccttacc 420
agaaacaanc ctactagcat cttgatctcg gactttccag ttcccataac catgagaaat 480
aaatgttttt aattcaatgt atggtatttt attatagcag ctctacctaa gacagtacat 540
gtatagtgtc tatttgaaca ttactgataa tgttgaacaa cttttcatgt ttattagtta 600
ttaggtttct tcaagtgttc ttattcatat aaattttaaa atatgtacac aagttccttg 660
ttatatattt tgcaaatatc ttctgtggct tgtcttttca 700

```

```

<210> 2073
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2073
atggtatttt attatagcag ctctacctaa gacagtacat gtatagtgtc tatttgaaca 60
ttactgataa tgttgaacaa cttttcatgt ttattagtta ttaggtttct tcaagtgttc 120
ttattcatat aaattttaaa atatgtacac aagttccttg ttatatattt tgcaaatatc 180
ttctgtggct tgtcttttca ctatttttagt tctgtctttt gataaacagg agcttttaata 240
ttttatgtca aatctatcaa gctttttctt tttgatttat gttttttatg tcttatttga 300
gaaatccttc tataccccaa gatcatgagg atgtttcctg tgttctcttc tgaaagctat 360
atagtctttg tcatcttaggt ttatctttat acgtgggatg aagtgtaaag ttctactttt 420
aattttttgc atattttatt aggataggat gggctttttc tgtagtaata atccntaaat 480
ctcaggggct taatatataa aattgtctca tgcaaaaaac cactgggtct agggcaattg 540
ctatctactg ccgtctaata tccctctagt ggcttccatt ggtagaccct aacaggaagc 600

```

cagctgataa gggaaatctgg gaaatgtagt ttacagagtg gcagctacag tagaacagta 660
 gagactacaa ggatgagctt gcagctgaga atagaaacgt 700

<210> 2074
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2074
 aattgtctca tgcaaaaaac cactgggtct agggcaattg ctatctactg ccgtctaate 60
 tccctctagt ggcttccatt ggtagaccct aacaggaagc cagctgataa gggaaatctgg 120
 gaaatgtagt ttacagagtg gcagctacag tagaacagta gagactacaa ggatgagctt 180
 gcagctgaga atagaaacgt gactggcaca ctaggtgggt tgtttgtagg ttttttcttt 240
 tcctgtttga gacttttttg gattcttgaa ttgtacaat gntntcctta atcaattgtg 300
 gaaaattaaa tgattttttc tttcagcatt gtctgtttct tctgtaactg attaaatgta 360
 agttggatca tatcatgata ttatctctta atctgtcttt catattttta tatatatgct 420
 atatttgggg agaactttat agctgttttg taaaaagttc actaattctg tcttctatca 480
 agtgcataca ggagtctgtt taaggacttt aaagatgtaa ttctttgttt tctggcttat 540
 accatttctg ttgaaaagtc gctatctggg cctttgttgt tcctttgaag gtgattttgc 600
 cttcacctgg ctgcttttaa gatttttttc tttttggttt tcagtagttt tactatgggtg 660
 tacttagtat gggtttcttt ttcttttctt gcttggcatt 700

<210> 2075
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2075
 taaggacttt aaagatgtaa ttctttgttt tctggcttat accatttctg ttgaaaagtc 60
 gctatctggg cctttgttgt tcctttgaag gtgattttgc cttcacctgg ctgctttaaa 120
 gatttttttc tttttggttt tcagtagttt tactatgggt tacttagtat gggtttcttt 180
 ttcttttctt gcttggcatt tagcttcttg aatttctggg ttgatgtctg atcaattttg 240
 gaaatttctc agacattata tcttcaacta ttgtttctgt cccatttttt ctctatctgc 300
 tctgagactt cagtaatctg aatgttagaa cttttcatag tgctctatat atctccagtt 360
 cttgtgtctc tcatgctttt ttctttgtgt ttcagactag atattttata ctgatctgtc 420
 ttgcaattca tttattactt ttgctgctaa acccatctac tgagtcttta atttcatttt 480
 tcttatattt ctcagttcta aaatatccat tcatgtcttt tttttttttt ttttnccttg 540
 agacggagtc tttctctgtc acccaggctc gagtgcagtg gcgggatctc agctcactgc 600
 accctctgtc tcccagatta aagcaatttt cccacctcag cctcccaagt agttgggatt 660
 agaggcacgc accaccacac ccagctaatt tttgtatttt 700

<210> 2076
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)

<223> n = A,T,C or G

<400> 2076

```

aaatatccat tcatgtcttt tttttttttt ttttnccttg agacggagtc tttctctgtc 60
acccaggctc gagtgcagtg gcgggatctc agctcactgc accctctgtc tcccagatta 120
aagcaatttt cccacctcag cctcccaagt agttgggatt agaggcacgc accaccacac 180
ccagctaatt tttgtatttt tagtagagat ggggttttgt catgttggcc aggctggtcg 240
caaaactcctg acctcaagt atccacctgc ctacgcctcc caaaatgttg ggattacagg 300
cgtgagccac cacggttggc ccattcatgt ccttttaatg gattttaact ctctggagaa 360
tctgtcttct gttttctctg tgtttttctc ggactgataa atcagttatg tgaatttttt 420
tgtccgataa cgccatgatt tgcattttct atggctctct ttctattgtc tttttccctc 480
cttagtttct ggtcatttgg tccactctgt tgatatgcct ggcaattttt gattgaatgt 540
gtatgacaaa ttgtagagcc tctggatgga taacctcctg caciaaagggc tcaccctttc 600
ctctactatg cagagtgggg atcaatcacc ttaatccagt aaggatctga gctgacttaa 660
aattaagact gggtggtagt tttcttaaga ctctatctct 700

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<210> 2077

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2077

```

tccactctgt tgatatgcct ggcaattttt gattgaatgt gtatgacaaa ttgtagagcc 60
tctggatgga taacctcctg caciaaagggc tcaccctttc ctctactatg cagagtgggg 120
atcaatcacc ttaatccagt aaggatctga gctgacttaa aattaagact gggtggtagt 180
tttcttaaga ctctatctct ggtttaccct tatttcccc cttataggat gtagtcctcc 240
aggattttct aattgagagc ctagtgtgtt cactggatct gttccactg gcagttcctc 300
aactctaatt cttgtcttct cagtaccaga ctacgcccac aaaatttatc ctcttttca 360
aagaatttga atttttgaat ctaagcagat attttttgc taccctctta gccttgcat 420
ctgcacagcg tcagaattca gaaaatgcct cagtgggtaa acaggctgag tggccaagtt 480
ctccactcct cctcttatt caatattctg agaaactact ggctaatttt ggtttttcaa 540
tgccccctga cactgtcaan nnnnnnnnnn nnnnnnnnnn nnnntnnnan nttnncattg 600
ctctggatcc tcattcttac cccatggcta caatcagtaa ataataata taataataat 660
nattattatt attattatna ttattattat tttgaggtgg 700

```

<210> 2078

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2078

```

caatattctg agaaactact ggctaatttt ggtttttcaa tgccccctga cactgtcaan 60
nnnnnnnnnn nnnnnnnnnn nnnntnnnan nttnncattg ctctggatcc tcattcttac 120
cccatggcta caatcagtaa ataataata taataataat nattattatt attattatna 180
ttattattat tttgaggtgg agtctggctc tgtcaccag gttggagtac agtgggtgcaa 240
tctcggtcca ctgcaagctc cgctcccg gttcacgcca ttctcctgcc tcagcctccc 300
gagtagccgg gactacaggt gccaccacc acgcccggct aattttttgt attttttagt 360
agagatgggg gttcactgtg ttaggatggg ctcaatctcc tgacctctg atctgtccgc 420
ctcggcctcc caaagtgtg ggattatagg catgagccac cagccccggc cagtaaattg 480

```

```

tttaaggata aaagagacta cagacttttg gctcaccac aagatttatc cttcttcagg 540
atcttgatgc tcaaactcct tttgcttcag caattgactg atgtcttcca acaattttaa 600
gagattttat tcagctttat tctaggaatg aaaattgggc taccataagc tactctatct 660
tggaagtaga agtggcctat tcatttttta aaaaatcatt 700

```

```

<210> 2079
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2079
cagacttttg gctcaccac aagatttatc cttcttcagg atcttgatgc tcaaactcct 60
tttgcttcag caattgactg atgtcttcca acaattttaa gagattttat tcagctttat 120
tctaggaatg aaaattgggc taccataagc tactctatct tggaagtaga agtggcctat 180
tcatttttta aaaaatcatt tttcctatac tgatacagaa aaccttatct ttcataatct 240
cttttggtac ctagtataac aagacgcttc acactcatct tgagcatttc tgacattaag 300
catggaatca gccgttaaag aatcttatta tatgttgatg tctgcctatc aatcccagca 360
tggtcctggg aacaagcatg agataacttc tgtcttagag ccagggcact gctttcagca 420
atccttatta attgagcttg gcattaatat gttcactagg gcagtaaaga gttattgagc 480
gtttcattat gcatttggtg ctgtgctagg gatgttacag tctattactg cattcagcaa 540
ctcttcagaa cgaatacata agaagcagaa cgtcagaaag gttaggtaat atacctgagg 600
tcacatgaag tctcattgct ggtaagtggg ggacctggga atgaaactnt ggcagcttcc 660
aaaagccttt gctctaaaac aaaattttata ttttcatgca 700

```

```

<210> 2080
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2080
ctgtgctagg gatgttacag tctattactg cattcagcaa ctcttcagaa cgaatacata 60
agaagcagaa cgtcagaaag gttaggtaat atacctgagg tcacatgaag tctcattgct 120
ggtaagtggg ggacctggga atgaaactnt ggcagcttcc aaaagccttt gctctaaaac 180
aaaattttata ttttcattgca ttttaacagtt attaaagatt tgatggggaa acataaagac 240
tgtctttatc ttttaagaat tctgagcaat ggaagggact cataaatagg tgtgtgaaat 300
gtgagaagtc tggtaacaga gaatgtgctt gaggagcaca gtagagtga ggtctacttt 360
aaccaagaag ttggcactac agtaggcacc gttggagctg ggtcttgaag tatgagcagg 420
aatttgttta ctgtgctatc ctagttttaa atacatgcac gtggctttaa aaataaggga 480
caaaggaaat taccctaaat agttgctgtc ccaccttact gccaaactcct agtccccctt 540
cctagaggaa cctttttcaa ttatttttaa tttttctgcc tattaaatgc ttataaaatg 600
ctgttccttg atttttccac ttcagaaatt tgagagatga tcatttagtt tatattcact 660
atctcccatg gtacctcccc ctgcctttgc cattttttga 700

```

```

<210> 2081
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2081

```

```

agttgctgtc ccaccttact gccaaactcct agtccccctt cctagaggaa ccttttcaaa 60
ttattttaaa tttttctgcc tattaaatgc ttataaaatg ctgttccttg atttttccac 120
ttcagaaatt tgagagatga tcatttagtt tatattcact atctcccatg gtacctcccc 180
ctgcctttgc ctttttttga tagttatatt ttgtatagtc ctctcttggt tgccctggcaa 240
cataaatttt tttgtttggg taaaactaag atgggtgagat gaagatctaa actagaattt 300
taccaaacia atgatcacta ttgtctagcc aagttgacac atagaattaa gtatcatata 360
cccttttgtc tcccaactgc cggtcagtta tgctttggac attatttttag tagccatagt 420
aagttgcttc taaaagtga aaacacaaat gttatgtttc ttaatttcgt tgaattagtc 480
actataatgt tgatgtagct aatcataaaa aggaatttgg gtcttatttg tctaatagaa 540
ttcaaaatga atttataatg tatataattt gatagggcta caataacaaa ataccacaca 600
ctgggtggat caaacaaaag gaatttgttt tcttactggt ccagaggcta gaagtctagg 660
atcaagggtg caacagggtg tgtttcttct gaggcctcac 700

```

```

<210> 2082
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2082
aatcataaaa aggaatttgg gtcttatttg tctaatagaa ttcaaaatga atttataatg 60
tatataattt gatagggcta caataacaaa ataccacaca ctgggtggat caaacaaaag 120
gaatttgttt tcttactggt ccagaggcta gaagtctagg atcaagggtg caacagggtg 180
tgcttcttct gaggcctcac tgcttggtt ggtctgtgtg ttgtctatgt cacctcttgg 240
tctatgtgtt gtctatgtca tatcggatta aagcctgcac atatgaactc attttacttt 300
aattatgtct ttaatgccct gttgccaaat acagtcacat attgggttag gacttttagca 360
tatgaatttt gggagaacac ataaaactac taggaaatca tgtagatct gatatactat 420
tgagactaaa gcaaaatact tttccttact ctttgtacat cagatatagc ccatcatgaa 480
caaatgtatc tgattattaa gtatgtttgc ataagaataa tgtcataaca ctagaagttt 540
tttattttga gaaaagagat ataggctcct atgaaattat taataaattg aaaaaagata 600
ttgacataaaa atatctttga ggccatggat ataattggac aaatacagca ggtgtgtata 660
taagggtgga aaagccatta ttttcccca aaatggttat 700

```

```

<210> 2083
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2083
gtatgtttgc ataagaataa tgtcataaca ctagaagttt tttattttga gaaaagagat 60
ataggctctt atgaaattat taataaattg aaaaaagata ttgacataaa atatctttga 120
ggccatggat ataattggac aaatacagca ggtgtgtata taagggtgga aaagccatta 180
ttttcccca aaatggttat gccaaataag ttcataatct gtgcaaaaat gctgcttcta 240
tgaattaaaa tataaccttt ttagtgtgta caaatgatac ataacttttt atgaattcat 300
tgagcagtgg aatgttatgc ttgttctaaa aactacatta aaaacaaatc ctgagaggca 360
tcaaagtcaa atatgatcaa ggtactttac acaaagatgt ttgtcaaata ttaaaagaac 420
ataaaatgac aaaatacaat atcctgaaat aggaaccatc tttgtgtgaa cagattacaa 480
attttcatgt aacttgtcta tgtggcatgg cattttgaac taaatatagt agaaaaaggt 540
ttatgaaaaa aaagactata tacaaagctg catgcttaag aaaaggccta ttcgtttgct 600
tataacaaat gagngnaagt aacttaangt tatgtttcgt taatgtaana ctttaaangn 660
gntataantn tacttnangn naaatcagaa atatacaaat 700

```

```

<210> 2084
<211> 700
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2084

```
tgtggcatgg cattttgaac taaatatagt agaaaaagggt ttatgaaaaa aaagactata 60
tacaaagctg catgcttaag aaaaggccta ttcgtttgct tataacaaat gaggngnaagt 120
aacttaangt tatgtttcgt taatgtaana ctttaaangn gntataantn tacttnangn 180
naaatcagaa atatacaaat tactgaatga gtatatcaat tattgtggga aaagtgttcg 240
tcgaatagaa attaaagaga ttacagatgt cctagagatg gagatatgaa aaatcaaatg 300
aagtattttt gtatttttac ttggagaaat tttctacgaa tacatctgat taacaaaaag 360
cagccatggc cttgacttac ctcttaaata gtccaatgat ttatatcctg tggcaatttc 420
atctgaaata gtggtaaata gcatgcaata tcaatagttt gcatgaacaa atgtgaccct 480
gaaagagcca gtccttcaag atggatctta agtggctgag tgggcctaaa tttaaagcag 540
agccaagaag ccatttggtg actagaggcc acacacctat tttgagttcc ctgaaaaccc 600
acacctcttt aactttggaa ctttcagagc tcacctgaac cagccaatca gagcccacct 660
cccttgctgc tcagttgtat caaccaatca gaactgtgtt 700
```

<210> 2085

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2085

```
atggatctta agtggctgag tgggcctaaa tttaaagcag agccaagaag ccatttggtg 60
actagaggcc acacacctat tttgagttcc ctgaaaaccc acacctcttt aactttggaa 120
ctttcagagc tcacctgaac cagccaatca gagcccacct cccttgctgc tcagttgtat 180
caaccaatca gaactgtgtt tccatctcat ttgtatcagt gcacctgatt gggaaccagg 240
gcaggaactt ttgctataaa gctagaaccc ttcccttggt ctttggaccg caccttcctt 300
ttacattgaa ggctgtgttg gactccctag tttgcaaact attcactgga ataaagtctc 360
tttcttccag ggaacttttg ttcacatttg taatataaaa tcatgatgtt tgtatcctct 420
aaaacggatt tgcaaatttt tcttcgggca gccttaccca aatttcaaaa tggctcctgat 480
aattttttta aaacaataacc agtcacagtg tgatatagtt tggatctgtg tccccaccaa 540
atctcatgtc aaattgtaat cttcagtggt ggtcatgggc ctggtagtcg gtgattagat 600
catataatgg aggcggctct tcatgaatgg tttagcacca ttcccttggt gctgttctct 660
tgatagttag ttattgtgag atccggttgt ttaaaagtgt 700
```

<210> 2086

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2086

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agtcacagtg tgatatagtt tggatctgtg tccccaccaa atctcatgtc aaattgtaat 60
cttcagtgtt ggtcatgggc ctggtagtcg gtgattagat catataatgg aggcggctct 120
tcatgaatgg tttagcacca ttcccttggt gctgttctct tgatagttag ttattgtgag 180
atccggttgt ttaaaagtgt gtatacactt tgggaggctg aggcgggcgg attgctttga 240
gctcaggagt tcaagaccag cctaggcaat atggtgaaac ctcatcccta caaaaactac 300
aaaaattaac tgggcatagt ggctcactcc tgtagtccca gctactcagg aggctgaggt 360
tggagaattg cctgagcccc ggaagtggag gctgcagtga gccaaagactg tgtcactgca 420
caccagcctg ggtgacagag acctgtctca aaaagaaaat gtagcacctc ctctctctct 480
```

571/663

```
ctctctctgt ctctctcact gtctcgttct cttgctcttg ctccttctcc agccatgtaa 540
gatgtgcttg cttccctttt gccttttagcc atgattcata gtttcctgag gcctctccag 600
aaatggaagc cactacactt nctgtacagc ctgtagaacc atgagccaat aaacctcttt 660
tctttataaa ttaccattt tcaggtattt ctttatggca 700
```

<210> 2087
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```
<400> 2087
gtctcgttct cttgctcttg ctccttctcc agccatgtaa gatgtgcttg cttccctttt 60
gccttttagcc atgattcata gtttcctgag gcctctccag aaatggaagc cactacactt 120
nctgtacagc ctgtagaacc atgagccaat aaacctcttt tctttataaa ttaccattt 180
tcaggtattt ctttatggca atgcaagaac agaccaatgc accatggat cctgcaaaat 240
cctgaagtta attaagaatt atttaagagg cgcggtggct cagcctgta atcccagcac 300
tttgggaggg tgaggtgggn ggatcaggag gtcaggagat tgagaccatc ctggctaacg 360
cggtgaaacc ccgtctctac tgaaaataca aaaaattagc cgggcgtagt ggcgggcgcc 420
tgtagtccca gctgcttggg aggctgaggc aggagaatgg cgtgaacccg ggaggtggag 480
cttgcaagtga gccgagattg cgccactgca ctccagcctg ggcgacagag cgagactccg 540
tctaaaaaaaa agaacattat ttaagatcgt cacttaagaa gagtagattt tgacaatttt 600
attgatcagt ttacttccat taaagtcatt ggtataaaat atttaaaactt aatatgagtt 660
ttaatatacc aactttcaat attgtcaacc aatttaattg 700
```

<210> 2088
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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<400> 2088
cgccactgca ctccagcctg ggcgacagag cgagactccg tctaaaaaaaa agaacattat 60
ttaagatcgt cacttaagaa gagtagattt tgacaatttt attgatcagt ttacttccat 120
taaagtcatt ggtataaaat atttaaaactt aatatgagtt ttaatatacc aactttcaat 180
attgtcaacc aatttaattg gtaaaaatta acaaaaacac gaaaacgtac gtaagaagca 240
tacgtttttc attttgcttc aggtttcaat atagttttggc acagcactgc tcttaagttt 300
ccaaacttgg cattttgnct ccaatattag atttgccaga ttcagcaaata gaaaatacaa 360
gtaacaccca gtttaacttt agataaataa cacataattt ttgcatagga tatatgcata 420
ctaaaaagtt tgttgcttat ctgaaattta actgggcatt ttgtataata tctggttaatt 480
ctaaaaataa ttatcttaca tgggtgaaaa agctgcctgc ttcttagtac aatgtaactg 540
ttgcaccaac accgtcttgc ctggttgatt gctgggtatg tggatgactg aagcgcanac 600
angggaagtc atatggnntn tgtgtcacan tgtccagcgt gtaggtatgt ccagtcctta 660
ccaggtntag aagaacacag cagcctcact ccattccgagg 700
```

<210> 2089
<211> 700
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2089
 tgggtgaaaa agctgcctgc ttcttagtac aatgtaactg ttgcaccaac accgtcttgc 60
 ctgttttgatt gctgggtatg tggatgactg aagcgcanac angggaagtc atatggnttn 120
 tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta ccaggtn tag aagaacacag 180
 cagcctcact ccacccgagg gcagaggagc gagcatattc cccantgcc a tgaccctctc 240
 cccagctccn tctgnttcag tcacactgac ggccccagta cattcgtgnt tgttggtcct 300
 tctgcctgga aggtaccaat acctagtagt ttntaccctc attcctttca agactgatca 360
 aagattacct tatccaaaag agttcttctt gtttcaactgc tgtgctgctc gggctagtct 420
 ggaattcctg gcctcaagca atcttcccaa gaggttcttc ccttccctcc tccctccctc 480
 cctcccttcc ttccttttct ttcgacagtc ttgctttgtt gccagggctg gaggtcaggg 540
 gcgcagtctc ggctcactgc agccactcc aagaggcctt catgactact acgaaggatt 600
 tgcgttctca ttctcttctt ccttagcctg ttttcttctt tttttctttt tctttttctt 660
 tttttttctt tttgagatgg agtcttgctt ttagagcccag 700

<210> 2090
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2090
 ttcgacagtc ttgctttgtt gccagggctg gaggtcaggg gcgcagtctc ggctcactgc 60
 agcccaactcc aagaggcctt catgactact acgaaggatt tgcgttctca ttctcttctt 120
 ccttagcctg ttttcttctt ttttcttctt tcttttctt tttttttctt tttgagatgg 180
 agtcttgctt tgtagcccag gctggagtgcc aatgggtgca tctctgctca ctgcaacctt 240
 cgtccccctg gttcaagcga ttctcctgcc tttagcctcc gagtagcttg gattacaggt 300
 atgcaccacc acgcccagct aatttttgta ttttagtag agacagcgtt ccaccatgtt 360
 ggccagggctg ctttccgact cctgacctca agttatctc ccgctctgc ctcccaaagt 420
 gctgggatta caggcgtgag ctaccacgcc cagccctgtt ttatttttct ttagagcact 480
 tatcactgag gtaaaagggt ggacttgact ccagacgcag gcgtcggaca ccggaccaga 540
 ttgaggactg gctaaaacag ggccagggcc aaagtagctt tcaatcagcc caccaggggtg 600
 ctacgtcggg ttgcagttgc tatgacaaca ccctggcgtt agggcccctt tccatggtaa 660
 tgacccaatg accccaaagt tactactctt tctctggaag 700

<210> 2091
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2091
 ggacttgact ccagacgcag gcgtcggaca ccggaccaga ttgaggactg gctaaaacag 60
 ggccagggcc aaagtagctt tcaatcagcc caccaggggtg ctacgtcggg ttgcagttgc 120
 tatgacaaca ccctggcgtt agggcccctt tccatggtaa tgacccaatg accccaaagt 180
 tactactcct tctctggaag tgtctgcata aacctcccct taatctacat gtaattaaaa 240
 gtagtaataa acatgactgc aaaactgccc tgagctgcta cccactgtca atggggtagc 300
 cctgctctgc ctcttcaaga aagctgtttt cttctacctc tggcttgccg ttgaattctt 360
 tcctgggcaa agccaagaac tctcgtgggc taagctccac tttggggctc acctgccccca 420
 catcactacc acccggttaag agatttaatt tgggtatcag ttcgtggtct gtctccccca 480
 tggatatagaa ggtccttgaa ggaaagaact ttgcttttcc acttctctat cccagtgcc 540
 cagaatgggc ctttggaag catcgagcag cctctcttgc tcagtgggca ctgaaatggc 600
 actcggagct cagtaccag ataaaggaca cccccagat aaaggacacc accccttccc 660
 ccgcgcaggc ctcgggaaag ggcgaggccg tgcgaggcca 700

<210> 2092
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 2092

```

ggaaagaact ttgctttttcc acttctctat cccagtgcc cagaatgggc ctttggaag 60
catcgagcag cctctcttgc tcagtgggca ctgaaatggc actcggagct cagtaccag 120
ataaaggaca cccccagat aaaggacacc accccttccc ccgcgcaggc ctcggaag 180
ggcgaggccg tgcgaggcca caggaagggg cgtggcctct gaggacctgg gggcggggtc 240
tggcaggggtc agagggtttct ggaaaggcct ttgacctgtg ggcgtgttcc tagaggtcag 300
gtggtgagaa tggcgggggtc agcggacagc agtggggcta caggctgtgt ctgtggctgc 360
cctggcttag ggctctggct ggccccctct ttccgacctg gtctggcaga gcagccccgc 420
aggaccagct cgcaaggctc ctggggccag tggggctctg tcctgtgagg cggctccctc 480
gcaaggacag agtcagagag aggctggtga gtcaaggatg tgctctgagc ggggggtctgg 540
gtgcgtcaaa tgatgtcttg gacgtaatat ctaaggctga cgctactttg aagaggttta 600
acttttgtga agattcttta ttctaaactc gggggaaact tttttttttt gatctgcagt 660
caaagtctct accactgagc tataccccct ctgccaaact 700

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<210> 2093

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2093

```

aggctggtga gtcaaggatg tgctctgagc ggggggtctgg gtgcgtcaaa tgatgtcttg 60
gacgtaatat ctaaggctga cgctactttg aagaggttta acttttgtga agattcttta 120
ttctaaactc gggggaaact tttttttttt gatctgcagt caaatgctct accactgagc 180
tataccccct ctgccaaact tttttttttt taaagcattt ggggggtgtg agaagataag 240
tggtaggaaa ggccatgggt atttggaag ctcaaagtct tttgttttta aggcactttt 300
cagtgtcttt ctgaaagtgc gtttataaca tggaggatca gccccctccc cacacccag 360
cttggctctc ccttctctta ctctctctctg aaaagtcctat ctctttctct tgaaatttgc 420
agccaacgga gcctcactaa agtaatgacc caaactgctt ttgtaccagc tgggctcaca 480
gctgtcatct tgctgtcttc tttgatttca agaagcttaa ggcaagctgc ttatgctaga 540
tttactgtcc tcaccttcca ttcttaaatt tttgacgcag tgagtctccc ccaactaatt 600
ctctggaatt gtctggtaaa gtgttctggg tcctcctagt ggccaaaccc agtagacact 660
tcggacagtt tttttttttt cctctagcga agcacttcgt 700

```

<210> 2094

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2094

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tttgatttca agaagcttaa ggcaagctgc ttatgctaga tttactgtcc tcaccttcca 60
ttcttaaatt tttgacgcag tgagtctccc ccaactaatt ctctggaatt gtctggtaaa 120
gtgttctggg tcctcctagt ggccaaaccc agtagacact tcggacagtt tttttttttt 180
cctctagcga agcacttcgt gattcaagtt ctcccttatt tccggcctcc ctggctcctt 240
ttcatcagcc taggcttctc atatatatgt tcctagtct agtttgtttc cttttcacgg 300
tagtactgta tgctatagga ggaaggatct ttacttccac tgctttaaca tgtatatgtt 360
tatgatttat tgaattgtct ttttgtaact aaatctttct cttgagctct gtttttagacc 420
cttatatcca ncnttctaga ggacataccc acctggacca acatctagaa taggtgtcag 480
aaattattca acaaatgata acaaataggg cctgatgtag gaaaaataca attacaatga 540
ctgttaacct tttgggggtga cagaccctct tgagacccat atgaaatttc aggggtcttta 600
tccctttaa aagtgcacac aaaattttgc ctgtttcaaa gcttcctaga ccttctgtag 660
ttcaagaatt tgaggctttg gtttagagctt cctgatatga 700

```

<210> 2095
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2095
 acaaataggg cctgatgtag gaaaaataca attacaatga ctgttaacct tttgggggtga 60
 cagaccctct tgagacccat atgaaatttc aggggtcttta tccctttaa aagtgcacac 120
 aaaattttgc ctgtttcaaa gcttcctaga ccttctgtag ttcaagaatt tgaggctttg 180
 gttagagctt cctgatatga taatgataaa atgaaaaagt gtgttttcac agataagcat 240
 cagatttnga aacttacaat gggaatgcat tgtattccag ccgtcatcaa acgttaaccc 300
 tgattaatca catcaggctg atttatggaa acattgtctt tagcagtagc aacatagaat 360
 gaaaaatctg gagccctaga gttgaaatat accccagcag actccctgtg gctaaaatga 420
 gacataccaa aaccagaatc taacggccac agcaagatga gggcttggtc atgtatccct 480
 gtgttactaa ctaccataag gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca 540
 tcacagaaac tacagctgga aatttcctgt tgaccctgat agactactac ttgacaccag 600
 ccgaccgatc tgctggctgc ccaccatggt cctgccacaa ttctgatggg acagagaatt 660
 ggccttactt tctttcctga taaatagcca tagacctcaa 700

<210> 2096
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2096
 gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca tcacagaaac tacagctgga 60
 aatttcctgt tgaccctgat agactactac ttgacaccag ccgaccgatc tgctggctgc 120
 ccaccatggt cctgccacaa ttctgatggg acagagaatt ggccttactt tctttcctga 180
 taaatagcca tagacctcaa gccagccagt tttggccagc ttatagagac tgtacacaaa 240
 ctgtctttgt gccctgtagt tcaccttttt gatgcaaaga gccaaattca ccttacttta 300
 atgctaaaac cccaccccaa agtgaacatg gaatgcatgt tacatatatg tttaccact 360
 gcacacatgc ttgacttccc tcatgaatat tcacagattc ctttaagcct gctaaatata 420
 acccagctaa tttttatatt tttggtacag atagggtttc atcatgttgg tcaggctggt 480
 cttgagctcc tgacctcaag tgatccaccc gcctcggcct cccaaagtgc tgggattaca 540
 ggcgtgagcc accgcgcca gcctcatgat gatttctaaa cacagattcc cctgatccat 600
 gtgggcgtgt gtgtatggcg gcggcaattt taggagtcaa ctataacaag gtcccaagga 660
 agtgagaggg gagccaagct ccaggggaca gaagagggaa 700

<210> 2097
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2097
 tgatccaccc gcctcggcct cccaaagtgc tgggattaca ggcgtagacc accgcgcca 60
 gcctcatgat gatttctaaa cacagattcc cctgatccat gtgggcgtgt gtgtatggcg 120
 gcggcaattt taggagtcaa ctataacaag gtcccaagga agtgagaggg gagccaagct 180
 ccaggggaca gaagagggaa gggaggggca atggtaggtt tcttttttag ggcccatggg 240
 gtatgcagga aacacttcct cccatttttg tactttggtg tgtaatgaaa tagccaagca 300
 acacttttct ctttttctga acttgctgag gaaaaaggaa aaaagggatc caaatctatc 360
 tgtcttgagg caaagatgac agaattgcag gcagtgcacat gatcaaatgt gctgaggaca 420
 ggagcaaac accgcacacc tggagtatcc ctgtaaggca taaataccag cttcctattc 480
 ccttttggag tatgtccttt tggttttcct gggaggttgc attccccaat ttgtagattg 540
 tttctccctc tgaaaaatagt tttttttccc ttttcttctc ctgtgcatct catgggtctt 600

```

tgtaaacatt tcaaagagag tttctgatta actgtgggtt gcatgtttca cagtccaaat 660
agccttagcc tggtcagaga ccagggcctg cttcagataa 700

```

```

<210> 2098
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 2098
tggtttttcc tggaggttgc attccccaat ttgtagattg tttctccctc tgaaaatagt 60
tttttttccc ttttcttcc tctgtcatct catggtcttt tgtaaactt tcaaagagag 120
tttctgatta actgtgggtt gcatgtttca cagtccaaat agccttagcc tggtcagaga 180
ccagggcctg cttcagataa tttacgaagt tgttgctatt aagagtgtaa cctggctggg 240
tgcagtagct cacgcctgta atcctagtac tttgggaggg cgaggtgggt ggatcacttg 300
aggccaggag tttgagacca acctgaccaa catggtgaaa tcccgtctct actaaaaata 360
caaaaaaatt agccaggcgt ggtggcacac ttctgtgatt ccagtgactt gagaggctga 420
ggcaggagaa ttgcttgaac ctaggagtng gaggttgcag tgagccaagg ttgcgctact 480
gcactccagc ctgggcgaca gactgagact ctcttggggg aaaaaaaga gtgtaactctg 540
ctccccctca gctggacggg aatacagata aggttttgag gcctgggtgcc ttgtaggagc 600
cctgagtgat caggcagtcg tagaagtgca tgaggtgccg ggggttttct tccagcagaa 660
cttgcccttct ttatttgttg ggccagtgc ttctcagttc 700

```

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<210> 2099
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2099
gagtgcagact ctcttggggg aaaaaaaga gtgtaactctg ctccccctca gctggacggg 60
aatacagata aggttttgag gcctgggtgcc ttgtaggagc cctgagtgat caggcagtcg 120
tagaagtgca tgaggtgccg ggggtttcct tccagcagaa cttgccttct ttatttgttg 180
ggccagtgac ttctcagttc cagagttatt gccttgatgg tccatgagtg ctgttttgag 240
attgaccccc actctctctt gaatgaaata tatttcatct cttttcttct tgtattgata 300
tgtaaatatt tattttttta taaaggtgag atctaaggag acattatcca ctttgtttta 360
acccttctct tggctgccat gatccaacta tcttctgggt tttcttctat ctctgcctac 420
aacttctcaa taccgtagtc tcctgtggcc ctcttttccc aatcctcagt tatggctcag 480
agtttcttta tagccatttt ttttttctct gaaggtcctat gacttccaaa tacttgatat 540
tccaaatact tgatatcagt atattgatat tgataactct tgagtcttta attctagctt 600
ttattacttt ccaacttcca gctccagctc tacttagatg gcccgcaggt tcttccattt 660
taatagatcc ctaaccagggt tcattatact tcccttaaat 700

```

```

<210> 2100
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2100
tttttctct gaaggctcat gacttccaaa tacttgatat tccaaatact tgatatcagt 60
atattgatat tgataactct tgagtcttta attctagctt ttattacttt ccaacttcca 120
gctccagctc tacttagatg gcccgcaggt tcttccattt taatagatcc ctaaccagggt 180
tcattatact tcccttaaat ggttctctatt tctgttttac ttatctttgc aaatggcaaa 240
aatgactgat cattctccta gcctcagcta ggaggcgatt ctctcttctt tcttctactgt 300
tcttgataac tattcatgtg aacttccctt ttcactttgc ttggtatttt tccccactg 360
ttccaggaaa ttggttaact gtttctattt tgctcttaat ctttagagca accttagagt 420

```

```

ttaggtatat agttcccat ttactcatga gaaaacaggc ttacttttaa aattattaat 480
tacacaaaga aaatgtacat gcatgttacc tctaagcaaa tttaggcaaa acagaaatag 540
aataaaatat tacagtgtccc cctccctccc attactctcc tatgtcttta gcagtgggttc 600
tcagctgggg agattttgtc ccctagggca gtgggtcccca gacatttttg caccagggac 660
agtttcatgg aagacaattt ttccatggac ggggggttgg 700

```

```

<210> 2101
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2101
gcatgttacc tctaagcaaa tttaggcaaa acagaaatag aataaaatat tacagtgtccc 60
cctccctccc attactctcc tatgtcttta gcagtgggtc tcagctgggg agattttgtc 120
ccctagggca gtgggtcccca gacatttttg caccagggac agtttcatgg aagacaattt 180
ttccatggac ggggggttgg ggggggatgct ttcagaatga aactgttcca ccttagatca 240
tcaggcatta cactctcata aggagcatgc aacctacatc cctcgcatgt gcatgcatag 300
ttcacagtgg agtttgcgct gctatgagaa gttaatgttg cagctgatct gacaggaggc 360
agagttcagg cagtaatgct cactcgcctg ctgctcacct gctgtgcagc ccggttgcta 420
acaggccact gaccggtact gatttgcagc ctgggcattg gggacctctt ccctaggaga 480
tatttgacaa ggtctggaga caattttgat tgccttgact taggggatac tactggaata 540
aaactaccta ttgggcacta aaatatatat atataaatat atataatata taaaaatata 600
tataaatata tatgtaatat ataaaaatat ataaaaatat atataatata taaatatata 660
taaatatata taatatataa aaatatatat aaatatatat 700

```

```

<210> 2102
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2102
caattttgat tgccttgact taggggatac tactggaata aaactaccta ttgggcacta 60
aaatatatat atataaatat atataatata taaaaatata tataaatata tatgtaatat 120
ataaaaaatat ataaaaatat atataatata taaatatata taaatatata taatatataa 180
aaatatatat aaatatatat aatatataaa aatatatata aatatataaa atatataaaa 240
atatataaaa atatataata atatatataa tataaaaaata tatataaaaa tatatatataa 300
atatataaat atatataata tataaaaaata tataaatata taatatataa atatatacaa 360
tatataaata tacaatatat aaatatataa atatatata tataaatatat attatatata 420
atatatatat tatatatatt atatatata tattatatat aatatataat atatattata 480
tataatatat aattttatatt tttaaatata tatttttaaat atgtttaata tatattatat 540
atttttaata tatataatat atattaatat atatttttaa tatataatat atattattta 600
atatataata tatattttatt atattanatt atattaaata tatattaatt atattaatat 660
atatttaata tattaatatata tattttaatat atattaatat 700

```

```

<210> 2103
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2103
tttaaataata tatttttaaat atgtttaata tatattatat attttaata tatataatat 60
atattaatat atatttttaa tatataatat atattattta atatataata tatattttatt 120
atattanatt atattaaata tatattaatt atattaatat atattttaata tattaatatata 180
tattttaatat atattaatat atatttttaa tatattttaat ataattaata ttaaatatata 240
taaataataaa aatataattta aatataatatt ataatatata tataaacaac accatcaccc 300
acagttccca ttacctgttt atagtcttgt ttccttcctt tgttcttaac accttctaag 360
gtatttatatc attaccttat tatgtttatt gttatggttt ggagatattt tcaaattttt 420
actctgtatg atatgtattt ggcacagtat tcaacaaaat actgtatttg gaatccaagt 480
gtttattatg gcttttttaa aaaaattaat acataganta aaaataaata cataacgcta 540
gccaaataaa tatggatttt gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc 600
caaaggaaac aaaataaaaa taaaaaaat aattctccta tcccaaatgt cagtagtgcc 660
cagggtgaaa aactgctctg gaggtaatct gttatatatc 700

```

```

<210> 2104
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2104
aaaaattaat acataganta aaaataaata cataacgcta gccaaataaa tatggatttt 60
gcactgtaat tgtaaaaaaa tgtgttttgc actggtaatc caaaggaaac aaaataaaaa 120
taaaaaaaat aattctccta tcccaaatgt cagtagtgcc cagggtgaaa aactgctctg 180
gaggtaaatct gttatatatc attttccata actacactat ccaatactgt aaccactagc 240
caggtgagggc tatttacact gaaattaatt aaaattaatt aaaaattctg ttcctcagtg 300
ctattaagta catttttaag tgttcaatgg ccacacatgg ctacagaatt aaacagcata 360
gattatagaa catttcaatg attgcagtaa gatttgttgg acagtgcctt aggtatatat 420
cacgcaaata gatgttctgt tttacataaa tagaatcata catactgttc tatagttttg 480
ttaatatgtc ttgaagattt ttccatctaa gtatatataa ctaaaatatg tactaagtac 540
atataactaa atattttaag ttaatggctc gtgatatagt tcagttttat taaattcata 600
aatttaattt attacagcaa tgtagtttaa ttttgcctt ttttaagttt atgtgtatgg 660
actcatataa tacatattat ttttatccag tttattttac 700

```

```

<210> 2105
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2105
ttccatctaa gtatatataa ctaaaatatg tactaagtac atataactaa atattttaagt 60
ttaatggctc gtgatatagt tcagttttat taaattcata aatttaattt attacagcaa 120
tgtagtttaa ttttgccttt ttttaagttt atgtgtatgg actcatataa tacatattat 180
ttttatccag tttattttac tcaatgctat gtttttaaga tatatccatg ttatttctgt 240
atatctatag ttattccttt taagtgcctt atgggtattcc attggatgac cataccatag 300
gttgtttatc catttgactt ttgtgggcat ttgagtttct tccagtttgg ggatataatg 360
aataattctg gcatgaatat tctgtactta tttcctgaaa gtatattttt atgcagggtta 420
tacatgggaa tggaattatt ggtccactga aatttactag attatgccac tttcttaaaa 480
tagttgcatt cttcttctta ttattatttt tgagatggag ccttgctctg tcgcctaggc 540
tgagtgcatg tgggtgtgatc tcagctcact gcaactttca tctcctgggt tcaagcgatt 600
ctcctgcctc agcctcctga gtacatggga ttacaggtat gtgctatcat gccagctaa 660
ttttgtatc tttggtagag atggggtttc accatgttcc 700

```

```

<210> 2106
<211> 700

```

<212> DNA
 <213> Homo sapiens

<400> 2106
 ttattatattt tgagatggag ccttgctctg tgccttaggc tggagtgcag tgggtgtgatc 60
 tcagctcact gcaactttca tctcctgggt tcaagcgatt ctctgcctc agcctcctga 120
 gtacatggga ttacaggtat gtgctatcat gccagctaa tttttgtatc tttggtagag 180
 atgggggtttc accatgttcc aggctagtct tgaactcctg acctcaagtg atctgcccgc 240
 ctcggcctcc caaagtgttg ggattacaga cgagagccac gttgcctggc cgcatttttt 300
 tcttaatagc agtatgtgag agttcccctc taaactgcat cctaagcagt atctttgtat 360
 ttgtcagact tttaaagttc aaacttcctg gtggcatgtg gttgtatccc atagttttat 420
 tttgcacttc tttgattatg aatgatacag aacactttca tatatttatc agtcttttga 480
 atattttctt ttatgagttc tttttgagtc tctagaccat ttatctattg agttgtttta 540
 ttaatttgta gaaagacttt gtatattctg gatacaagcc ttttattggt tgtatatgtt 600
 gtgtagatat tctccacctt tagtggctgc ttgccttttc tgtctctctt aatgggtgatt 660
 tttgatttgt tttgagaaat atcaaccttt cttcttaaga 700

<210> 2107
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2107
 tttttgagtc tctagaccat ttatctattg agttgtttta ttaatttgta gaaagacttt 60
 gtatattctg gatacaagcc ttttattggt tgtatatgtt gtgtagatat tctccacctt 120
 tagtggctgc ttgccttttc tgtctctctt aatgggtgatt tttgatttgt tttgagaaat 180
 atcaaccttt cttcttaaga ttattcaata acagcaaagt aacaatgaga aactactgtc 240
 agtttaagtg ggttttagctc ctcaagtcca aggtatataa tcacttaaat ataacctgga 300
 aaaaaaaca aaaatatttc tctaaatcat ggtcttttga aaaaaatgaa ttaaactctt 360
 tctgttctct catattgtat tccaattntg gatgtagcca ccagttagat agcaaatgtc 420
 taaatttgga tacatcactt aaatatttag aacgtcattg gtttcttcaa acagtggaaa 480
 attcttgcca tgcctacctt atagactttg tataatgcta ttatcaatgc tagctgatac 540
 taacttagaa gatgattata cattttttaa cagctcttcc tatcctgggt ctacaataag 600
 aactgactc caccacatac tggatgacct agagcaagtt aacttaatga cactgtgcat 660
 taatttactt tgctataaca atgggataat atatcaattc 700

<210> 2108
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2108
 atagactttg tataatgcta ttatcaatgc tagctgatac taacttagaa gatgattata 60
 cattttttaa cagctcttcc tctcctgggt ctacaataag aactgactc caccacatac 120
 tggatgacct agagcaagtt aacttaatga cactgtgcat taatttactt tgctataaca 180
 atgggataat atatcaattc atgttattat tgcagctatt gttcagatag aacaattgag 240
 agaatttata aacaaaatga ctaagcagat gagttagttt tcctaattgg ccagcttaag 300
 ggagagagtt ataagggcta tagagttcta gatgaaatta taacatcacc tcaaagagag 360
 agcaacttac ctctggctcag gctttcttcc tgaagtgttt cttgggagag ggtgagcaga 420

```

gtgggtcaaga gcctatctat ttattttcagt gggctaagca tagatgtcct tgagangaag 480
acttccttgg tccttttaggt aatgtaagtc cttcaacttc attctttttc aaaattgttc 540
tgactattct gggtcccttt tatttccatg tgaatttttag gatcagcttg tcaatttctn 600
caacaagccc agctaagatt ttgataagggt ttaccttggt cttgctctta ggagccaagc 660
agcccatctt tcaccattaa gtatgatggt agttgtgaga 700

```

<210> 2109

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2109

```

aatgtaagtc cttcaacttc attctttttc aaaattgttc tgactattct gggtcccttt 60
tatttccatg tgaatttttag gatcagcttg tcaatttctn caacaagccc agctaagatt 120
ttgatagggt ttaccttggt cttgctctta ggagccaagc agcccatctt tcaccattaa 180
gtatgatggt agttgtgaga gtttcgtatc tgtctttatc acattaagaa tgttctcttc 240
tattcctagt ctgtggagag gttttttggt tgtttgtttg tttgtttggt tgttttttta 300
gacagagtct cactctgtca tccaggctgg agtgcagtac aatctctgct ctctgctctc 360
tgcaacctcc acctcccggg ctcaagtgat tctcctgcct cagtctctctg agtagctggg 420
attacagggtg tgcgccacca catccagcta atttttgtat ttttagtaga gacgggggtt 480
taccgtgctg gccaggctgg tttcaaattc ctgacctcag gtgatccacc cgcgttggcc 540
tcccaaagtg ctgagggttac aggtctgaac catcatgccc agcctagatt tttttttaaa 600
aatcataaat aggtgttgaa ttttgtcaaa tgcccttctc gcgtctgtgg aaataatcat 660
gtgtccttta ttctatatag tctcttacat taattgcatg 700

```

<210> 2110

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2110

```

tttcaaattc ctgacctcag gtgatccacc cgcgttggcc tcccaaagtg ctgagggttac 60
aggtctgaac catcatgccc agcctagatt tttttttaaa aatcataaat aggtgttgaa 120
ttttgtcaaa tgcccttctc gcgtctgtgg aaataatcat gtgtccttta ttctatatag 180
tctcttacat taattgcatg ttaaaccaac ctcatattct tgcagaaatc tcacttggtc 240
atggtgtata cattcttttt acatattcct ggatttaggt tgctaataat taaggattct 300
catgatgatg ttcatgaggg tttttagtgg ttctttttgt atgatgtctt tagctttggg 360
attagggttaa taaacatctt agatttaggt gggatctggt ctcttctcta ttttctgaag 420
actttgtgaa ggattagcat tattttttgg ttaaataatt gataaaattc accagtgaag 480
ttatctgggc ctagaattct ctttatggga agattttaca tttctaattc agtttcttta 540
ctttttatag gcctatttag attgttctgt atatttttta gttcattttg gtaatttgta 600
cctttntagg aacttttcca cttcatatta gttgcctgct ttgttggcat aaagatgttt 660
acagcatttc cttgtaattt ctataggatn cagtagtcta 700

```

<210> 2111

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2111
 ctttatggga agatttttaca tttctaattc agttttcttta ctttttatag gcctattttag 60
 attgttctgt atatttttta gttcattttg gtaatttgta cctttntagg aactttttcca 120
 cttcatatta gttgcctgct ttgttggcat aaagatgttt acagcatttc cttgtaattt 180
 ctataggatn cagtagtcta ttctttcttt cgtcccttta ttgggtaatt tttatcttct 240
 ctattttttt cttggtcagt ctaaagggtt gtcaattttg ttgatctttt caaataatca 300
 gccttttaggt ttctttgggt ttctctattt ttccattttc tattttgttg atttctgctc 360
 ttatccttat tatttcattt attttgcttg ctttgatcat ttttaacttg ccctcctttt 420
 ttagtttctt aagggtgagag cctgggttat tgattagaga ctttttttta aatataggca 480
 tttaaagcta tacattttct tctaagtacc acttgaaact gcacccata aattttaata 540
 tattgtagtt ttgtttttat ttagtccaat atatatttta gttttcatng tgaattcttc 600
 tttgacctat ggggtatttta gaagaatgtt gttcaatttc caaatatttg aagatattca 660
 agatttcttt ctatttttta tgtttaattc catgtggttg 700

<210> 2112
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2112
 tctaagtacc acttgaaact gcacccata aattttaata tattgtagtt ttgtttttat 60
 ttagtccaat atatatttta gttttcatng tgaattcttc tttgacctat ggggtatttta 120
 gaagaatgtt gttcaatttc caaatatttg aagatattca agatttcttt ctatttttta 180
 tgtttaattc catgtggttg gacagcatat tctgtatgag ttaaactctt aaaatttatc 240
 aggacttggg ttgtgacctt acatatgggtc tttcctggag gatgtctgtg tgagcttgaa 300
 aggaatgtgt attctgctgt tttttgatgg agaattctat aggtgtcagg tgaaattggg 360
 tgatagcatt gttcagatct tgtatatcct tcctgatttt ctgtgtgggt gttttaccag 420
 ttcataagag tgaggatattc aaaatatcca gctattattg aattacctat ttcttctttc 480
 agcactgtca attgttgttt tatgtctttc ggggctttca ttaagtgata tacatctata 540
 attattacat ctttttgata tattgactct tgttacatta taaaatgttt ctttttgtct 600
 ctagcagtat ttcttattct aaagtttatt ttgtcagata ttaatacagc caccatct 660
 ctctttagat tggtgtttgc atggtacatc ttttacctct 700

<210> 2113
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2113
 tatgtctttc ggggctttca ttaagtgata tacatctata attattacat ctttttgata 60
 tattgactct tgttacatta taaaatgttt ctttttgtct ctagcagtat ttcttattct 120
 aaagtttatt ttgtcagata ttaatacagc caccatct ctctttagat tgttgtttgc 180
 atggtacatc ttttacctct tttttttttt ttaagacagg gtctcaccct gttgccaggc 240
 tggagtgcag tggcgtcatc tcagctcacc caaacctctg cctcccgggt tcaagtggct 300
 ctctgcctc agcctcccaa gtagctgaga ttacaggcac ataccaccac gccagataa 360
 tttttgtatt tttagtagat atgaggtctc accatgttgg ccaggctggg ctcaaactcc 420
 tggcctcaag tgatccaccc accttggcct cccaaagtgc tgggattaca ggtgtgaacc 480
 actgcgctg gcttaccttt tttttttttt ttaaccttaa aaaccttttt agattatttg 540
 aatctaaagt gtgtctttgt atgtagcatg tatttggatc ttgttttatt tattcaatct 600

581/663

```
gaaaagctct gagtttgcta agaaaaatca aggtggttca gtggtagaga atctcagagc 660
agaagggttt cagatagatt gtttagggat gatctctttg 700
```

<210> 2114
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 2114
tttttttttt ttaaccttaa aaaccttttt agattatttg aatctaaagt gtgtctttgt 60
atgtagcatg tatttggatc ttgttttatt tattcaatct gaaaagctct gagtttgcta 120
agaaaaatca aggtggttca gtggtagaga atctcagagc agaagggttt cagatagatt 180
gtttagggat gatctctttg tagtggtgac ataaagctga tactaaagac tagaaggaa 240
caaagtgtga agaagggaag ggaaaggaaa gagcattata aatcaagaga acagaccctg 300
agtgatagga gagcttgaca tttttgaaga actgaaagag aagctggttc atagttagca 360
aagggaatgt ggtggcagat gaagggtagt atgctaaaca aggtgacac tgcggaatct 420
tgaagtctat ggtgaaaagt ttgtatttta ttgaaaagt agtgtgaagt cattgaaatt 480
tttgaagagt agaagaaact tgatccaatt tgtgtgtaca aaatctgaat ctaaaccctt 540
gtaagcaaga aatagcatat tgtaggctgg gcatggtggc tcacgcctgt aatcccagct 600
ctttgggatg ccgaggcggg tggatcgctt gaggtcggga tttcgagacc agcctggcca 660
gcatggtgaa accccgtctc tactaaaaat acgaaaaacta 700
```

<210> 2115
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2115
tgatccaatt tgtgtgtaca aaatctgaat ctaaaccctt gtaagcaaga aatagcatat 60
tgtaggctgg gcatggtggc tcacgcctgt aatcccagct ctttgggatg ccgaggcggg 120
tggatcgctt gaggtcggga tttcgagacc agcctggcca gcatggtgaa accccgtctc 180
tactaaaaat acgaaaacta gctggggatg gtggcagggt cctgtaatcc cagctactct 240
ggaagctgaa gcaggagaat cacctgaacc caggagggtg aggtttcagt gagccgagat 300
tgcgccattg cactccagcc tgggtaacag agtaagactc catctcaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa gaangcanga aatagcgtat tgtaattttt ttctaatttc 420
aaattaaatt tgacttanat actcttcctt gatgagctgg tgagaaatgt attgtcagtc 480
actattaggg ctgtgtcacc tcagaagttc ccaccaaact aacaagggtt ctagaaaata 540
gaaggaaaac ttctaacttt gagtttgtca tggtcattgg gctagtatgt ggatgtttgt 600
ccatatccac agtttcctta aaggatggta gttttctgct tctatgccac tttgggggtc 660
atgaaactgg agatgacaag tcctggtact ctttttggtg 700
```

<210> 2116
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 2116
tcagaagttc ccaccaaact aacaagggtt ctagaaaata gaaggaaaac ttctaacttt 60
gagtttgtca tggtcattgg gctagtatgt ggatgtttgt ccatatccac agtttcctta 120
aaggatggta gttttctgct tctatgccac tttgggggtc atgaaactgg agatgacaag 180
tcctggtact ctttttggtg taccatggaa ccatcatttt ttaggtctaa ttctttctta 240
gagatgctgc ctgtgagtgt ggtagtcagt tctctttatt atactttttc ttttttcctc 300
cctcttctga cctttccttt tgttttcaga aattactcta gaatgtatac tcttctcttg 360
ttaccattaa aaacttaaca ggattttact ttgattttta caaaagacac gaagtgcaat 420
```

```

tacctggatt agcttcttct atgaagaaaa ataaagcagc ctaacagggt agagattgat 480
agagtctact atcttaaata gagagactag gaaactctct cttagtagag tcatttgagt 540
agaatcctga aggcagtaaa agaaaaataac atttcacgca aagggaataa caaatacaag 600
gtgtctggga atggagagta gttggtgttt ttgaggaaaa gttaaaggta ggctactgtg 660
gctggaacga atgaacaagg ttaaggagct ttagtagatg 700

```

```

<210> 2117
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2117
gagagactag gaaactctct cttagtagag tcatttgagt agaatcctga aggcagtaaa 60
agaaaaatac atttcacgca aagggaataa caaatacaag gtgtctggga atggagagta 120
gttggtgttt ttgaggaaaa gttaaaggta ggctactgtg gctggaacga atgaacaagg 180
ttaaggagct ttagtagatg aagtagccag atatcagagc atgcagaacc ttgaaagtcg 240
ggggaaggac tttgagggtt tactatgagt gagatcatag aagattattt tgtagagtag 300
actacagagg ggacaagggc atgcaagaaa aaaccagact ggacacctag atattgaact 360
tactaaataa agacattaag ccaactgtta taaatatctt caaagaacta agacaacta 420
tgtctaaaga attaaagtgt gagaatgatg tcttacttaa tagagaatat caattaaaag 480
atataagtta ttttacaaac cagatggata ttctggttga caaatacaat aactgaaatg 540
taaaattcac taaagggact catcatcctt tttgaacttg caaaataaag aatcagttaa 600
cttaagatca cccagtctga gaaacagaaa gaaaaagaaa tgcagaaaaa tgaacagagc 660
catcacagatt tgtgagaaac catcacatgt atcaatacat 700

```

```

<210> 2118
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2118
cagatggata ttctggttga caaatacaat aactgaaatg taaaattcac taaagggact 60
catcatcctt tttgaacttg caaaataaag aatcagttaa cttaagatca cccagtctga 120
gaaacagaaa gaaaaaagaa tgcagaaaaa tgaacagagc catcacagatt tgtgagaaac 180
catcacatgt atcaatacat gcataaggag aatcccaaaa gaaaagaaaa agaaagggca 240
gaaagaatat ttgaagatat gatggcaaga aactacaaat ttgataacaa acactaatct 300
gcacactaag aaactagtga actccaagta ggataaacct agagacacgt catagtcaaa 360
ctattgaaaag ccaaagatca agaaagaatc ttggccaggc acagtggctc atgcctgtaa 420
taccagcact ttgggaagct gaggtggaca gattacttga gctcacaagt ttgagagcag 480
cctgggcaac atggagaaac cctgtctcta caaaaaatac aaaaattagc caggcgtggt 540
gttgcatgcc ttagtccca gctactcggg aggctgagat gggaggaaat agaggttggt 600
gtgagccaag attgtgccac tgcacttcag gctgggcaat agaaccagac ctctcaaaaa 660
gaaagagaga ggccgggcgc ggtgctcacg cctgtaatcc 700

```

```

<210> 2119
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2119
cctgtctcta caaaaaatac aaaaattagc caggcgtggt gttgcatgcc ttagtccca 60
gctactcggg aggctgagat gggaggaaat agaggttggt gtgagccaag attgtgccac 120
tgcacttcag gctgggcaat agaaccagac ctctcaaaaa gaaagagaga ggccgggcgc 180
ggtgctcacg cctgtaatcc cagcactttg ggaggctgag gcgggcggat cagcaggtca 240

```

```

ggagatcgag accatcctgg ctaacacggt gaaccccgctc tctactaaaa atacaaaaaa 300
ttagccggcc gtggtagnng gcgcctgtag tcccagctac tcgggaggct gaggcaggag 360
aatggcgtga acctgggagg cggagcttgc agtgagccga gatcgcgcca ctgcactcca 420
gcctggggcga cagagcgaga ctccgtctca aaaaaaaaaa aanaaaaaaga gagagagaga 480
gagagagaaat attgaaaata gaaagagaag gcagcaaggc atgttcaata aaattaacag 540
ctttcttttc attagaaact gtggatacca cagaaggcag agggatgatg tattcaaagt 600
gctgaaagaa aaggactgtc aactaggagt tgtatattca gcaaagctag tcttcaaaaa 660
ttaaggtgaa tttaaaacat tcccatgtaa acaaaaacag 700

```

<210> 2120

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2120

```

gaaagagaag gcagcaaggc atgttcaata aaattaacag ctttcttttc attagaaact 60
gtggatacca cagaaggcag agggatgatg tattcaaagt gctgaaagaa aaggactgtc 120
aactaggagt tgtatattca gcaaagctag tcttcaaaaa ttaaggtgaa tttaaaacat 180
tcccatgtaa acaaaaacag aattcttcac tagcagacat gccctataag aaatatgaaa 240
gggggttctt taggttgaaa tgacaggaca ctaaatagta acttgaatcc acacagagaa 300
ataaagagta ctggtaaaga taactctata ggtaaagtga aaagtcagta taaatattat 360
ttttgtttgt aacctttttc ttctatctga ttcaaaagac aactacataa agcaataatt 420
ataattatat atttaataat gtgtaaggat attcttttaa tgccaataat aataaaagga 480
gaggagaagg aatggagctg tacgggaaca ggggtttttat atattattga aattacgtca 540
atattactct gagctagatt gctttaagtt aagacgttaa ttgcagtccc caggggcaaat 600
actaataaaa gaactaaaaa aagtggtaaa atagctaaca agtggattaa aatgntatac 660
tagaaaacta acacaaaaga aggcagtaat gaaaggatag 700

```

<210> 2121

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2121

```

tacgggaaca ggggtttttat atattattga aattacgtca atattactct gagctagatt 60
gctttaagtt aagacgttaa ttgcagtccc caggggcaaat actaataaaa gaactaaaaa 120
aagtggtaaa atagctaaca agtggattaa aatgntatac tagaaaacta acacaaaaga 180
aggcagtaat gaaaggatag aggaacataa aggcagtgtac agaaaacagc aaaatggcaa 240
atgtaaatct catcagtaat tccaagaaat gaaatgggca ctacagtcaa aaggcataga 300
ttaagagaat gaataaaaata acataatcca actatatgct atctatgaga caaatatata 360
ttcagagaaa caaatagggtt gaaagtgaag agatggaaga agatacagaa tacaacaatt 420
ctccaaaaaa gaactggaga ggctgtgcta gtattagaca aaatagactt tgagacaaaa 480
attgttacta gagaccaaga agaacathtt atattaaaaa ggtcagtcca tcaaaaaaac 540
ataacaatta taaacatatg cacctaagag cagagcctca aaataaatga ggcaaaaccc 600
agcagaatta aaggaaaata gacaattcaa caataatagt tggagatgtc aatacctcac 660
tttgaaaaat ggatacaaca tataggtaga tgatcactgg 700

```

<210> 2122

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2122
agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac ataacaatta taaacatatg 60
cacctaagag cagagcctca aaataaatga ggcaaaaccc agcagaatta aaggaaaata 120
gacaattcaa caataatagt tggagatgtc aatacctcac tttgaaaaat ggatacaaca 180
tataggtaga tgatcactgg ggaactagaa gacttcagca acactataaa ccaactagtc 240
taatagacac ctntaaaaca ctctcccaa cagtgttaagg cacattcttc tcaaatacac 300
atttaaaatt cttttctccc tttctttctt tttttttttt tggacaggat attgttctgt 360
gggtctaggct ggagtgcagt ggcatgatca cagctcacta cagctgcaaa gtcctgggct 420
caagcagtc tctgtctcca gcctcccaa tatctgggac tatagggtgtg caccaccatg 480
cttcgctaatt atttttgttt tagtagagaa aggggtctcac tatgttgccc agactgggtct 540
tgaactcttg gcctcaagca gtcctcccac ctggcttccc agatagggaa ttataggcat 600
gagctactgc agccaacctc tagacctcat gtcagaccat aaaataagtc tcaataaact 660
taaaagaatt caaattatat aaagtatggt ttaactacaa 700
```

<210> 2123
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2123
tagtagagaa aggggtctcac tatgttgccc agactgggtct tgaactcttg gcctcaagca 60
gtcctcccac ctggcttccc agatagggaa ttataggcat gagctactgc agccaacctc 120
tagacctcat gtcagaccat aaaataagtc tcaataaact taaaagaatt caaattatat 180
aaagtatggt ttaactacaa cagtagaaat tcgaaaccaa taacaagaaa atttgggaaa 240
ttcactaata tgtggaaatt tgtaacata ctctacata accagtaggt caaataagga 300
atcacaagag aaattagaaa gtattttgag atgagtgtaa atgaaaatac aatataccaa 360
aacttagagg atgtagctaa agcagcgctt agaggaaaat ttatggatgt aaacacctgt 420
atttaaaaag gagaaaaata ttaaattaaa acataatctt ttaccctagg aaatcagaaa 480
agagctaact tgagccaagg caaacagaag gaaataaaga ctancacaga aataaattaa 540
gtagagaata gaaacacagt aaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa 600
tcaacaaaat gtacaaacct ttggctaggt taaccaataa aaaaatacag aggactcaaa 660
taactcaact attagaagaa aatattggac taaatcttcc 700
```

<210> 2124
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2124
caaacagaag gaaataaaga ctancacaga aataaattaa gtagagaata gaaacacagt 60
aaaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa tcaacaaaat gtacaaacct 120
```

```

ttggctaggt taaccaataa aaaaatacag aggactcaaa taactcaact attagaagaa 180
aatattggac taaatcttcc tgaccttacg taggtaatga tctctcatat attacatcaa 240
aggcatagag aatcaaagaa aaatttgata tattgggttt aaatatatat tggacttcat 300
caaaattgta aaattctgat gttttacagg acgctggtga gaaagtgcag acagactcca 360
gaataagtag gtggtggcgg gggagggcag cggatatttg caaatcacat atctgaactt 420
gtatcaagaa tatatagaga actgttacia ctcaacanta aaaagacaac cctattttatt 480
tattttattta tttattttga gacaaagtct cgctcttgtc ccccaggctg gagtgcagtg 540
gcacgatctc agctcactgc aacctccgcc tcccagggtc aagcgattct cctgcctcag 600
cctcccaagt agctgggtatt acaggcgctt gccaccacgc ctgggctaatt tttgtatttt 660
tagtagagat ggggtttcac tatgttggtc aggttggtct 700

```

```

<210> 2125
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2125
gacaaagtct cgctcttgtc ccccaggctg gagtgcagtg gcacgatctc agctcactgc 60
aacctccgcc tcccagggtc aagcgattct cctgcctcag cctcccaagt agctgggtatt 120
acaggcgctt gccaccacgc ctgggtaatt ttgtatttt tagtagagat ggggtttcac 180
tatgttggtc aggttggtct cgaactcctg acctcagggtg atccacctgc ctggggcctcc 240
caaagagctg ggattacagg cgtgagccac catgcctggc caacaactca atttaaaagt 300
gggcaaagaa tttgaataga aatttcctca gaaaagatat acaaatggcc aataaaatata 360
tgaaaagatg ctacagatca ctaatcatta gggaaatgca aatcaaaacc acagtgcagt 420
accacttcct atacagtagg atggctaaaa taaaaaaga cagaaaatta ctagtggttg 480
tgaagatgtg gagagattag aaacttcatt cattgctggt ggggttgtaa aatgatgcag 540
ccaccttgga agacagattg gcagctcctc atacagttaa acatacagtt accatatgac 600
ccaactatct cattcctggg tacataccca agataaatga aaatatatat ccacacaaaa 660
acttgtagat gaatgtacat agcagaatta ttcataatta 700

```

```

<210> 2126
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2126
aaacttcatt cattgctggt ggggttgtaa aatgatgcag ccaccttgga agacagattg 60
gcagctcctc atacagttaa acatacagtt accatatgac ccaactatct cattcctggg 120
tacataccca agataaatga aaatatatat ccacacaaaa acttgtagat gaatgtacat 180
agcagaatta ttcataatta accagagagt agaaacaacc caaatgcca tcaactgacc 240
aataaataaa caaatgtgg tatatccata ctatggaata ttattcagca aaataaaaag 300
gaatgaagtg ctgatgcagt ctgtaatatg gatgaaactt agaaaaatta tactaagtga 360
aagaagccag acacaaaagg ccacatattg tttatttcca tttatatgta atatctagaa 420
tagccaaatg catagaaata gatattagac tagtggttgc caagggatgg aaaaggggga 480
tcaggagatg attgctgatg gatacgggct ttctcttga tatgacaaaa atgctctgga 540
attagaggtg atggctgtgt aattttaaac tacgctttac tttacatgaa ttttatggta 600
tgtgaattat cagtaaagct gttaagaaaa gtaagttcac tcaattttac atttaagaca 660
aaagatcccc aattgtggtg gatggaagaa catcctcact 700

```

```

<210> 2127
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2127
gatacgggct ttctctttga tatgacaaaa atgctctgga attagaggtg atggctgtgt 60
aattttaaac tacgctttac tttacatgaa ttttatggta tgtgaattat cagtaaagct 120
gttaagaaaa gtaagttcac tcaattttac atttaagaca aaagatcccc aattgtggtg 180
gatggaagaa catcctcact cttcatcaag gccagtacat taaccaaaga acatttgatg 240

```

```

aaggagtcg tcagttcttg aatttcctga tgaagaaaca actggttggc tagcaaagaa 300
aagctgtact tttagaaattt atctttttgt ttcttagatg gtctactaaa ctatgcttca 360
aacataggat tgtagaaatc tgaatataat agtaattaca agaaatacaa atgcattgaa 420
cttagcaatt agaagagaca tattcactta atgttcgaca aatactcagt gtatattata 480
tgccaggctc tgctgtaaat acatggggca tcagcaagca aactagacaa gaatttccac 540
cctcatggaa ctaatgttct agttaaggga aaaagtccaa taaaatacac tggttaagta 600
tgttttttgt atgttaaaat atattaggtg ctatgaataa aatagagtag tgtgagcaag 660
gctgggggtg ctgggaagtt ggaatttaat gttctcagat 700

```

<210> 2128

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2128

```

acatggggca tcagcaagca aactagacaa gaatttccac cctcatggaa ctaatgttct 60
agttaaggga aaaagtccaa taaaatacac tggttaagta tgttttttgt atgttaaaat 120
atattaggtg ctatgaataa aatagagtag tgtgagcaag gctgggggtg ctgggaagtt 180
ggaatttaat gttctcagat tcaataaaaa atttagctat attatgttta caaaagacac 240
ataaaaactcg agaatacaga aagggttgagt gtaaagggaat tatatatatg ctagacaatt 300
agaaaaaagt atgtctgatat ggcaatatta gtatcagaca aaatgatctt taaggcaaat 360
gatgttaagg atgctaaact tgcttgggca ttataatata gcatataaat attaaaaaca 420
atacaaaatt acaagggaaga attgataaag ctgtaattat tgtgggatat tttaatgtac 480
ctattcagta aatagagcaa atcaaaaaat aaagcaaata agtaaagcaa atcaaagcac 540
agtaagggtta ttgataaatt gaacaacaca ttccacaagg ttgatacaat gaacacatag 600
agaaccctgc atgttcattt caagtgttta tagaatatct tttaaaaatt cccacatac 660
taggttataa aacaaacctc aggttcccaa aataaggaac 700

```

<210> 2129

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2129

```

atcaaaaaat aaagcaaata agtaaagcaa atcaaagcac agtaagggtta ttgataaatt 60
gaacaacaca tttcacaagg ttgatacaat gaacacatag agaaccctgc atgttcattt 120
caagtgttta tagaatatct tttaaaaatt cccacatac taggttataa aacaaacctc 180
aggttcccaa aataagggaac tgaacagacc atgttctctg ataatcattc cttgaagtca 240
gaaagtaaca aaagtgactt ttaaaagctc atgtttttaa aatttaaata tacagttaaa 300
tagctaataga aaaagttatg atgtcactat agaaattaga aaatattaga atggaatgaa 360
tataataaaa atatatatca gatcttgagg gatgcattta gattgtcttg gagcaatatt 420
tacagccctt atttattttt ttatttttta ttattattat actttaagtt ttaggggtaca 480
tgtgcacaat gtgcagggtta gttacatatg tatacatgtg ccatgctggt gcgctgcacc 540
cactaactcg tcatctagca ttaggtatat ctcccagtgc tatccctccc ccaccccccc 600
accccacaac agtccccaga gtgtgatgtt ccccttctg tgtccatgtg ttgtcattgt 660
tcaattccca cctatgagtg agaatatgag gtgttttggt 700

```

<210> 2130

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2130

```

gttacatatg tatacatgtg ccatgctggt gcgctgcacc cactaactcg tcatctagca 60
ttaggtatat ctcccagtgc tatccctccc ccatcccccc accccacaac agtccccaga 120
gtgtgatgtt ccccttctg tgtccatgtg ttgtcattgt tcaattccca cctatgagtg 180
agaatatgag gtgttttggt ttttgttctt gcgatagttt actgagaatg atgatttcca 240
gtttcatcca tgtccctgca aaggacatga actcatcctt ttttatggct gcatagtatt 300
ccatggtgta tatgtgccac attttcttaa tccagtctat cattggtgga catttggtct 360

```

```

ggttccaagt ctttgctatt gtgaataatg ggcgaataaa catacatgtg catgtgtcct 420
tatagcagca tgatttatag tcctttgggt atataccag taatgggatg gctgggtcaa 480
atgggtattc tagttctaga tccctgagga atcaccacac tgacttccac aatgggtgaa 540
ctagtttaca gttccaccaa cagtgtaaaa gtgttccctat ttctccacat tctctccagc 600
acctgttggt tcctgacttt ttaatgatcg ccattctaac tgggtgtgaga tggatatctca 660
ttgtgggttt gatttgcatt tctctgatgg ccagtgtagg 700

```

<210> 2131

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2131

```

tccctgagga atcaccacac tgacttccac aatgggtgaa ctagtttaca gttccaccaa 60
cagtgtaaaa gtgttccctat ttctccacat tctctccagc acctgttggt tcctgacttt 120
ttaatgatcg ccattctaac tgggtgtgaga tggatatctca ttgtgggttt gatttgcatt 180
tctctgatgg ccagtgtagg taagcatttt ttcatatggt ttttggctgc ataatgtct 240
tcttttgaga agtgtctggt catgtccttg cccacttttt gatgggggtg tttgtttttt 300
tcttgtaaat ttgtttgagt tcattgtaga ttctggatat tagccctttg tcagatgagt 360
aggttgcgaa aattttctcc cattttgtag gttgcctggt cactctgatg gtatgttctt 420
ttgtgtgca gaagctcttt agtttaatca gatccattt gtcaattttg gcttttggtg 480
ccattgcttt tgggtgtttta gacatgaagt ccttgccctat gcctatgtcc tgaatggtaa 540
tgccatagggt ttcttctagg gtttttatgg ttttaggtct aacgtttaag tctttaatcc 600
atcttgaatt gatttttata taagggtgaa gcaagggatc cagtttcagc tttctacata 660
tggttagcca gttttccag caccatttat taaataggga 700

```

<210> 2132

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2132

```

gacatgaagt ccttgccctat gcctatgtcc tgaatggtaa tgccatagggt ttcttctagg 60
gtttttatgg ttttaggtct aacgtttaag tctttaatcc atcttgaatt gatttttata 120
taagggtgaa gcaagggatc cagtttcagc tttctacata tggctagcca gttttccag 180
caccatttat taaataggga atcctttccc cattgtctgt ttttctcagg tttgtcaaag 240
atcagatagt ttagatagtg cggcattatt tctgagggt ctgttctggt ccattgggtct 300
atatctctgt tttggtacca gtaccatgct gttttgggtta ctgtagcctt gtagtatagt 360
ttgaagtcag gtagcgtgat gcctccagct ttgttctttt ggcttacgat tgacttggcg 420
atgaggggtc ttttttgggt ccatatgaac tttaaagtag ttttttccaa ttctgtgaag 480
aaagtcattg gtagcttgat ggggatggca ttgaatctgt aaattacctt gggcagtatg 540
gccattttca cgatattgat tcttccctacc catgaggatg gaatgttttt ccatttgttt 600
gtatcctctt ttatttccct gagcagtggt ttgtagttct ccttgaagag gtccttcaca 660
taccttgtaa gttggattcc taggtatttt attctctttg 700

```

<210> 2133

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2133

```

ggggatggca ttgaatctgt aaattacctt gggcagtatg gccattttca cgatattgat 60
tcttccctacc catgaggatg gaatgttttt ccatttgttt gtatcctctt ttatttccct 120
gagcagtggt ttgtagttct ccttgaagag gtccctcaca taccttgtaa gttggattcc 180
taggtatttt attctctttg aagcaattgt gaatgggagt tcaactcatga tttgggtctc 240
tgtttgcttg ttgttgggtg ataagaatgc ttgtgatttt tgcacattga ttttgtatcc 300
tgagactttg ctgaagttgc ctatcagctt aaggagattt tgggctgaca caatgggggt 360
ttctagatat acaatcatgt catctgcaaa cagggacaat ttgacttcct cttttcctaa 420
ttgaataccc tttatttctt tctcctgccc aattgccctg gccagaactt ccaacactat 480

```

```

gttgaatagg agtgggtgaga gagggcatcc ctgtcttgtg ccagttttca aaggggaatgc 540
ttccagtttt tttccattca gtatgatatt ggctgtgggt ttgtcataga tagctcttat 600
tatttcgaaa tacgtcccat ggatacctaa tttattgaga gtttttagca tgaagggttg 660
ttgaattttg tcaaaggcct tttctgcate tattgagata 700

```

```

<210> 2134
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2134
gagggcatcc ctgtcttgtg ccagttttca aaggggaatgc ttccagtttt tttccattca 60
gtatgatatt ggctgtgggt ttgtcataga tagctcttat tatttcgaaa tacgtcccat 120
ggatacctaa tttattgaga gtttttagca tgaagggttg ttgaattttg tcaaaggcct 180
tttctgcate tattgagata atcatgtggt ttttgcatt ggttctgttt atatgctgga 240
ttacatttat tgatttgct atattgaacc agccttgcac cccagggatg aagccactt 300
gatcatggtg gataagcttt ttgatgtgct gctggattcg gtttgccagt attttattga 360
agatttttgc atcaatgttc atcaaggata ttggtctaaa attctccttt ttggttgtgt 420
ctctgccccg ctttgggtatc aggatgattc tgggtctata aaatgagtta gggaggattc 480
cctctttttc tattgatttg aatagtttca gaaggaaatgg taccagttcc tccttgtacc 540
tctggtagaa tttggctgta aatccatctg gtccctggact cttcttgggt ggtaagctat 600
tgattattgc cacaatttca gatcctgtta ttggtctatt cagagattca acttcttctc 660
ggtttagtct tgggagagtg tatgtgtcga ggaatttatc 700

```

```

<210> 2135
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2135
aatagtttca gaaggaaatgg taccagttcc tccttgtacc tctggtagaa tttggctgta 60
aatccatctg gtccctggact cttcttgggt ggtaagctat tgattattgc cacaatttca 120
gatcctgtta ttggtctatt cagagattca acttcttctc ggtttagtct tgggagagtg 180
tatgtgtcga ggaatttatc catttcttct agattttctc gtttatttgc gtagagggtg 240
ttgtagtatt ctctgatggt agtttgtatt tctgtgggat cagtgggtgat atccccctta 300
tcatttttta ttgtgtctat ttgattcttt tctctttttt tctttattag tccttctagc 360
gggtctatcaa ttttgttgat cttttcaaaa aaccagctcc tggattcatt gattttttga 420
aggggttttt gtgtctctat ttcttctcagt tctgtctctta ttttagttat ttcttgcctt 480
ctgctagctt ttgaatgtgt ttgctcttgc ttttctagtt cttttaattg tgatgttagg 540
gtgtcagttt tggatctttc ctgctttctc ttgtgggcat ttagtgctat aaatttccct 600
ctacacactg ctttgaatgc atcccagaga ttctgggtatg ttgtgtcttt gttctcgttg 660
gtttcaaaga acatctttat ttctgccttc atttcatcat 700

```

```

<210> 2136
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2136
ttgctcttgc ttttctagtt cttttaattg tgatgttagg gtgtcagttt tggatctttc 60
ctgctttctc ttgtgggcat ttagtgtat aaatttccct ctacacactg ctttgaatgc 120
atcccagaga ttctgggatg ttgtgtcttt gttctcgttg gtttcaaaga acatctttat 180
ttctgccttc atttcatcat gtaccagtag tcattcagga gcaggttgtt ccgtttccat 240
gtagttgagc ggttttgagt gacattctta atcctgagtt ctagtgtgat tgcactgtgg 300
tctgagagac agtttgttat aatttctgtt cttttacatt tgctgaggag agctttactt 360
ccaagtatgt ggtcaatttt ggaatagggt tgggtgtggt ctgaaaaaaa tgtacattct 420
gttgatttgg ggtggagagt tctgtagatg tctattaggt ccacttggtg cagagctgag 480
ttcaattcct gggatatcct gttgactttc tgtctcgttg atctgtctaa tgttgacagt 540
ggggtgttaa agtctcccat tattaatgtg tgggagtcta agtctctttg taggtcactc 600

```



```
aggacttgct ttatgaatct gggtgctcct gtattgggtg catatatatt taggatagtt 660
agctcttctt attgaattga tccctttacc attatttata 700
```

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<210> 2137
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 2137
gttgactttc tgtctcggtg atctgtctaa tgttgacagt ggggtgttaa agtctcccat 60
tattaatgtg tgggagtccta agtctctttg taggtcactc aggacttgct ttatgaatct 120
gggtgctcct gtattgggtg catatatatt taggatagtt agctcttctt attgaattga 180
tccctttacc attatttata gccttaaattg actaaatttg aaaggaagaa agcctggaat 240
taatgagcta agctttgtta aggtaagtga aaattctgta ttgtatttta aggttcaagt 300
gctgaaatca ctttattttt ttaattgcaa aattgggttt ttcttccatt taacctgttg 360
aaccctaatc tgccttattg acctccttgg gtctcttcta ccccttgaat tgtagtgaa 420
ctccagtgc atatatagtg acaaacagga agtatgctga aatctgaggc aataaaatag 480
gtttacaacc tagtgtaatt ctagacagaa ttaatagtg tctggcattt agaatgagaa 540
agtgggtggct gtttctcagt tggaccagcc ttccagatat atattaatag ctgtacatta 600
tcgtttaatt cagaagaaag tagcctggat gttaaagggt tatgtgaaca taatatgaaa 660
aacagcatgt ggaatagaga catagagaat gaaaaagaaa 700
```

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<210> 2138
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 2138
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tggaccagcc ttccagatat atattaatag ctgtacatta tcgtttaatt cagaagaaag 120
tagcctggat gttaaagggt tatgtgaaca taatatgaaa aacagcatgt ggaatagaga 180
catagagaat gaaaaagaaa aaaacttcat tggatcataa agcaacaagg ctcaactg 240
gagcattctc tcttctgaga aatctgctct gacatccttc tctctcccc aacctccaa 300
taggtgtatc ttccatttgt tccatagtag cccgtgatcc gctccactac agaagttgg 360
tataatata tttattgtc catttacatc tatattgctt ttattaaact gtttccctca 420
gtaagcaaaag actgattttt aaatcatttt tgcattttca agcccaactg tgggtgctgag 480
tacttaattt gatctgtatt gaatgaaatt gaagtatttg aaggaagaaa ggatgaacta 540
atgaattaaa gcaattgatt atattttttt tctctgtggc cctgaggatt agccctagag 600
cacatatgta gaacatgcag acagatatatc ttgggttctg tatgaagata aatcttaact 660
gccatgggct ggcaagatgg ccgaatagga gcagttctgg 700
```

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<210> 2139
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 2139
gaatgaaatt gaagttattg aaggaagaaa ggatgaacta atgaattaaa gcaattgatt 60
atattttttt tctctgtggc cctgaggatt agccctagag cacatatgta gaacatgcag 120
acagatatatc ttgggttctg tatgaagata aatcttaact gccatgggct ggcaagatgg 180
ccgaatagga gcagttctgg tctgcagctc ccagtgcagat caatgcagaa ggcaggtgat 240
ttctgcattt ccaactgaag taccagctc atctcaaccc atggagggag acctgaagca 300
gggtggggtg tctcaccag gaagtgcagg ggttcggtga acttttccca tggcttttgc 360
aaccataga ccaggagatt cctcgggtg cctacaaacc agggccccg gtttcaagca 420
caaaactggg tgaccatttg ggcagacacc gagataactg caggagtttt ttttcatacc 480
ctagtggcac ctggaacacc agcaagacag aacggttcac taccctggaa agggggctga 540
agccaggag ccaagtggtc tagctcagtg gatccaccc ccatgaagcc cagtaagcta 600
agatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagttga ccaggaatgc 660
tcaagcttgg gtggggggcg gatggggggg tgaggggggt 700
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<210> 2140
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2140
 agcaagacag aacggttcac taccctggaa agggggctga agccaggag ccaagtggtc 60
 tagctcagtg gatccacccc ccatgaagcc cagtaagcta agatccactg gcttgaaatt 120
 cttgctgcca gcacagcagt ctgaagttga ccaggaatgc tcaagcttgg gtggggggcg 180
 gatggggggg tgaggggggt ggggcattgc cattactgag gcttgagtag gcaggtttcc 240
 cctcacagtg taaacaaagc tgcctggaag ttcaaactgg gcggagccca ccacagctcc 300
 acaaagcctc tgtagacaga ctgcctctct agattcctag tctctggaca gggcatctct 360
 gaaagaaagg cagcagcccc agtcaggggc ttatagataa aactcccatc tccttgggac 420
 agagcacttg gggtaagggg cagctgtggg tgcagcttca acagacttaa acattgctgc 480
 ctgctggttc tgaagagagc agtggatctc ccagcacagc catagagctc tgctaaggga 540
 tagactgcat cctcaagtgg gtccccaac cccatgcttc ctgactggga gacacctccc 600
 agtaaggggc aacagacacc tcatacaggg gagctccgcc tggcctctgg cgggtgcccc 660
 tcagggacga agcttccaga ggaaggaaca tgcagcattc 700

<210> 2141
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2141
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 gtccccaac cccatgcttc ctgactggga gacacctccc agtaaggggc aacagacacc 120
 tcatacaggg gagctccgcc tggcctctgg cgggtgcccc tcagggacga agcttccaga 180
 ggaaggaaca tgcagcattc tctgtagcct ctgctggtga taccagggca aacagggtct 240
 ggagtggact tccagcaaac tacaacagac ctgcagcaga gggacctgag tgtagaagg 300
 aaaactaaca aacagaaaga aatgacgtca acatcaacac aaaggacgtc cacacagaaa 360
 ccccatccaa aggtcaccaa catcaaagac caaggtagat aaatccatga agatgaggaa 420
 taccagcgca aaaaggctga aaattccaaa atccagaatg tctcttctcc tccagaggat 480
 cacaactcct caccagcaag ggaactaaac tggatggaga atgagtttga caaattgaca 540
 aaagtaggct tcagaagggtg ggtaataaca aattcctctg agctaaagga gcaagttcta 600
 acccaatgca aagaaactaa gaaccttgaa aaaaagggtta gaggaattgc taactagaat 660
 aaccagttta gaaaaaagca taaatgacct gatggagctg 700

<210> 2142
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2142
 ggaactaaac tggatggaga atgagtttga caaattgaca aaagtaggct tcagaagggtg 60
 ggtaataaca aattcctctg agctaaagga gcaagttcta acccaatgca aagaaactaa 120
 gaaccttgaa aaaaagggtta gaggaattgc taactagaat aaccagttta gaaaaaagca 180
 taaatgacct gatggagctg aagaacacag cacaagaact tcacgaagca tacacaattt 240
 caatagctga atcgatcaag cagaagaaaag gatattagag attgaagatc aacttagtga 300
 aataaattgt gaagacaaga ttagagaaaa agaatagaaa agaaatgaac aaagcctcca 360
 ggaaatatgg aactatgtga aaagaccaa cctacgtttg attggtgtat ctgaaagtga 420
 gggggaaatt ggaaccaagt tggaaaacac tcctcaggat attatccagg agaacttccc 480
 caacctagca agacaggtca acattaaaat tcaggaaata cagagaacac cacaagata 540
 ctctcaaga atagcaaccc caagacacat aatcatcaga ttaccaaaag ttgaaatgaa 600
 ggaaaaaatg ttaagtgcag ccagagagaa aggtcgggtt acccaciaag ggaagcccat 660
 cagactaaca gtggatctct gcagaaactc tacaagtcag 700

<210> 2143
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2143

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acattaaaaat tcaggaaata cagagaacac cacaaagata ctctctcaaga atagcaaccc 60
caagacacat aatcatcaga ttcaccaaag ttgaaatgaa ggaaaaaatg ttaagtgcag 120
ccagagagaa aggtcgggtt acccaciaag ggaagcccat cagactaaca gtggatctct 180
gcagaaactc tacaagtcag aagagagtgg ggccaatatt catcattctt aaagaaaata 240
atthttcaagc cagaatttta tatccagcca aactaagctt tataagtgaa ggagaaaata 300
aatcctttcc agacaagcaa atgctgagag atthttgtcac caccaggcct gccttataag 360
agctcctgaa ggaagcacta aatatggaaa ggaaaaaactg gtacaagcca ctgcaaaaac 420
ataccaaaatt gttaaagacca tcaacactat gaagaaactg catcaactaa tgggcaaaat 480
aaccagctag catcataatg acaggatcaa attcacacat aacattatta accttaaatg 540
taaatgggct aaatgcccc aataaaagac acagactggc aaattggata aagagtcaag 600
acccatctgt gtgcaatatt caagagaccc atctcacgtg aaaagacata cataggctca 660
aaataaggag atggaagaat atttatcagg caaatggaaa 700
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<210> 2144
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2144

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acaggatcaa attcacacat aacattatta accttaaatg taaatgggct aaatgcccc 60
aataaaagac acagactggc aaattggata aagagtcaag acccatctgt gtgcaatatt 120
caagagaccc atctcacgtg aaaagacata cataggctca aaataaggag atggaagaat 180
atthtatcagg caaatggaaa gcaaaaagaa gcaggggttg cagtcctagt ctccaataaa 240
agagacttta agccaacaca gatcaaaaaa gacaaagagg ggcattacat aacggtaaag 300
ggatcaatgc aacaagaaga gctaactatc ctaaatgttt atgcaccaa tacagggcac 360
ctagactcat aaagcaagtt cccagtgaac tacaagaga cttagacccc cacataataa 420
tagtgggaag actttaacac cccactgtca atattagaca gattaatgag acagaaaatt 480
aacaagcata ttcaggactt gaactcagct ctggacaaag tggacctaat agacatctat 540
ggaactctcc accccaaatc cacagaatat acattcttct cagcaccacg tcacacttat 600
tctaaaattg accacataat tggaaagtaa acactcctca gcaaatgcaa aagaacagaa 660
ataataacaa acagtttctc agaccacggt acaatcaaat 700
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<210> 2145
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2145

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gaactcagct ctggacaaag tggacctaat agacatctat ggaactctcc accccaaatc 60
cacagaatat acattcttct cagcaccacg tcacacttat tctaaaattg accacataat 120
tggaaagtaa acactcctca gcaaatgcaa aagaacagaa ataataacaa acagtttctc 180
agaccacggt acaatcaaat tagaacttag gattaagaaa ctacccaaa actgcacaac 240
tacatggaaa ctgaacaacc tgctactgaa tgactactag gtaaataatg aaattaagag 300
agaaataaat tctttgaaac caatgagaag aaagacacaa tgtgccagaa tctctgggac 360
acagctaaag tagtgtttag aggaaaattt atagcactaa atgcccacag gagaaagtgg 420
aaaagatcta aaattgacac cctaacatca caatgaaaag aactagagaa gcaagagcaa 480
acaaattcaa agctagcag aagacaagaa ataactaaga tcagagcaga attgaaggag 540
atacaggcac aaaaaaccct ccagaaaatc aaaatcagtg aatccaggag ctgggttttt 600
gaaaagaata aaaaaataga ctgctaacca gactgataaa gaagaaaaga gagaagaatt 660
gaatagacac aataaaaaat gataaagggg gtattccac 700
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<210> 2146
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2146

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aagacaagaa ataactaaga tcagagcaga attgaaggag atacaggcac aaaaaaccct 60
ccagaaaatc aaaatcagtg aatccaggag ctgggtttttt gaaaagaata acaaaataga 120
ctgctaacca gactgataaa gaagaaaaga gagaagaatt gaatagacac aataaaaaat 180
gataaagggg gtattcccac tgatcccaca gaaatacaaa ctaccttcag agaatactat 240
aaacacctct atgaaaataa actagaaaat ctagaagaaa tggataaatt cctggacaca 300
tacaccctcc caagactaaa ccaggaagaa gttgaatctc tgaatagacc aatgacaagt 360
tctgaaattg aggagtaaat taatagcctg ccaacccaaa aaagcccagg accagatgga 420
ttcacagccg aattctacca gaggtacgaa gaggagctgg taccattcct tctgagacta 480
ttccaaacaa tagaaaagga gggaatcctc cctaactcat tttatgaggc cagcatcatc 540
ctgataccaa aacctggcag agacacaaca aaaaatgaaa atttcaggcc aatatccctg 600
atgaacattg atgcgaaaac cctcaataaa ataatggcaa accgaatcca gcgacacagc 660
aaaaagctta tccaccacaa tcaggttggc tttatttctg 700

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<210> 2147

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2147

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gggaatcctc cctaactcat tttatgaggc cagcatcatc ctgataccaa aacctggcag 60
agacacaaca aaaaatgaaa atttcaggcc aatatccctg atgaacattg atgcgaaaac 120
cctcaataaa ataatggcaa accgaatcca gcgacacagc aaaaagctta tccaccacaa 180
tcaggttggc tttatttctg ggatgcaagg ctgggtcaat atatgcaaat caataaacat 240
aatccatcac ataaacagaa ccaatgacaa aaaccacatg attatctcaa tagatgcaga 300
aaaggccttt gacaaaattc aacacccctt catgctaaaa gctctcaata aactaggtat 360
tgatggaaca catctcaaaa taataagagc tttttttgac aaaccacag ccaatatcat 420
actcaatggg caaaagctgg aagcattcct tttgaaaacc gacacaagac aaggatgcc 480
tctctacca ctcctattca acgtagtatt ggaagtctg gccagggcaa tcaggcaaga 540
aaaagaaata acgggtattc agataggaaa agaggaagtc aaattgtctc tctttgtaga 600
tgacatgatt gtatatttag aaaaccccat catctcggct gggcacagtg gctcacgcct 660
gtaaccccag cactttggga ggctgaggcg ggtggatcac 700

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<210> 2148

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2148

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acgtagtatt ggaagtctg gccagggcaa tcaggcaaga aaaagaaata acgggtattc 60
agataggaaa agaggaagtc aaattgtctc tctttgtaga tgacatgatt gtatatttag 120
aaaaccccat catctcggct gggcacagtg gctcacgcct gtaaccccag cactttggga 180
ggctgaggcg ggtggatcac aaggtcagga gatcgagacc atcctggcta acacagtga 240
acctgtgtc tactaaaaat acaaaaaaaa aaaaaaatta gccaggtgtg gtggtgggca 300
cctgtagtcc cagctacatg ggaggtgat gcaggagaat ggtgaaaacc caggaggtgg 360
agcttgacgc gagcctagat tgtgccactg cactccagcc tgggctacag agagaggctc 420
catctcaaaa aaaaaaaaaa caaaaaccaa aaaaaaaaaa acccatcgct tcagcccaaa 480
atctccttaa gctgacaagc aacttcggca aaggctcagg atacaaaacc aatgtgcaaa 540
aatcacaggc attcctatac accaataata cacaaacagc caaatcatgc atgaacatcc 600
atgcacaatt gccacaaaga gaataaaata catgggaata aaatttaciaa gggatgtgaa 660
ggacctcttc aaggagaact acaaaccact gcccaaggaa 700

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<210> 2149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2149

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aacttcggca aaggctcagg atacaaaacc aatgtgcaaa aatcacaggc attcctatac 60

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accaataata cacaacacagc caaatcatgc atgaacatcc atgcacaatt gccacaaaga 120
gaataaaaata catgggaata aaattttaca gggatgtgaa ggacctcttc aaggagaact 180
acaaaccact gcccaaggaa ataagagagg acacaaacaa atggaaagac attccatgct 240
catgaatagg aagaatcaat atcgtgaaaa tggccatact gcccaaaata atttatagat 300
ccagtgtctat ccccatcaag ctaccattga ctttcttcac agaattagaa aaaactactt 360
taaatttcat atggaaccaa aaaagaacct gtatagccaa gacaatccta agcaaaaaga 420
acaaagctgg aggcacatgc gtacctgact tcaaaactata ctataaggct acagtaagca 480
aaacagcatg gcagtcgtac caaaacagat atatagacca gtggaataga acagaggcct 540
cagaaatagc accacacatc tacaaccatc tgatctttga caaacctgac aaaaacaagc 600
aatgggggaa ggattcccta tttaaaaatg gtgttgggaa aactggctaa ccatatgcag 660
aaaactgaaa ctggacctct tctttacacc ttatacaaaa 700

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<210> 2150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2150

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caaaacagat atatagacca gtggaataga acagaggcct cagaaatagc accacacatc 60
tacaaccatc tgatctttga caaacctgac aaaaacaagc aatgggggaa ggattcccta 120
tttaaaaatg gtgttgggaa aactggctaa ccatatgcag aaaactgaaa ctggacctct 180
tctttacacc ttatacaaaa attaactcaa gatggattac agacttaa at gtttagacct 240
aaaccataaa aaccctagaa gaaaacctag acaatgccat tcaggacata ggcattgggca 300
aagacttcat gactaaaaca ccaaaagcaa tggcaacaaa agccaaaata gacaaatggg 360
atctaattaa actaaagagc ttctgcacag caaaagaaac tatcatcaga gtgaacaggc 420
aacctacaga atggggagaaa atttttgtaa tctttccatc tgacaaaagg ctaatatcca 480
gaatctacaa gggactcaaa caaatttaca agaaaaaac aaccccatca aaaagtgggc 540
aaaggatatg aacagatgct tctcaaagga agacttttat gcagccaaca aatatatgaa 600
aaaaagctca ttatcactag tcattagtga aatgaaaatc aaaaccacaa cgagatacca 660
tctcatgcca gttagaatgg caatcattaa aaagtcagga 700

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<210> 2151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2151

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caaatttaca agaaaaaaaa aaccccatca aaaagtgggc aaaggatatg aacagatgct 60
tctcaaagga agacttttat gcagccaaca aatatatgaa aaaaagctca ttatcactag 120
tcattagtga aatgaaaatc aaaaccacaa cgagatacca tctcatgcca gttagaatgg 180
caatcattaa aaagtcagga aacaacagat cctggagagg atgtggagaa gtaggaatgc 240
ttttacactg ttggtgggag tgtaaattag tccaaccatt gtggaagaca gtgtgggtgat 300
tcctcaaaaa tctagaacct gaactaccat ttgaccacag aatcccatta ctgggtatat 360
acccaaagga ttataaatca ttctactata aagacacttg cacatgtatc ttatttcag 420
cactattcac aataacaaag acttgggaacc agcccaaatc aaatgtccat caatgataga 480
ctggataaag aaaatgtggc acatatacac catggaatac tatgcagcca taaaaaagga 540
ttagttcatg tcctttgctg ggacatggat gaagctggaa accagcattc tcagcaaact 600
aacacaggaa cagaaaatcg aacaccgcat gttctcactc ataagtagga gttgaacaat 660
gagaacacat ggacacaggg agagggaactt ctcacactgg 700

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<210> 2152

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2152

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acatatacac catggaatac tatgcagcca taaaaaagga ttagttcatg tcctttgctg 60
ggacatggat gaagctggaa accagcattc tcagcaaact aacacaggaa cagaaaatcg 120
aacaccgcat gttctcactc ataagtagga gttgaacaat gagaacacat ggacacaggg 180

```

```

agaggaactt ctcacactgg ggccagtcag ggggtggggga ctagggggagg gatagcatta 240
ggagaaatac ctaaggtaga tgttggggtg atgggtgcag caaaccacca tggcacatat 300
atacctatgt agcaaaccta cacattctac acatgtatcc cagaacttaa aatatatata 360
tataaatatc ttaactgcca aaaagtggaa ggaactgctt gacaggtagt acactccatt 420
tctatccaag gagatgttct ggcataaagt agacaaccaa caaatgggga tactacagag 480
tcacctcatt tttattgaat tcagtaaact tattaacatc tgttacatac taggatgctg 540
tactaagcaa aaaagtgaaa catatatggc gtgtgtccag aatatcttat ggtctatttg 600
gggatgggtg tggtagacta gatattttaa cagacatctt cagttgattg tgtggcaagt 660
cataaaatgg atgttcagag tactgtgaga gctcagggaa 700

```

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<210> 2153
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2153
tcagtaaact tattaacatc tgttacatac taggatgctg tactaagcaa aaaagtgaaa 60
catatatggc gtgtgtccag aatatcttat ggtctatttg gggatgggtg tggtagacta 120
gatattttaa cagacatctt cagttgattg tgtggcaagt cataaaatgg atgttcagag 180
tactgtgaga gctcagggaa atgtactcaa atgctggatt tataatttta taactactgt 240
agctgaccaa agggcaactt ctaatttgac tgcaatatgt tttcttttag ttataccatc 300
ataaaaaact gtttttagata atcttgggaa gattttacac tcttctcttt tccttttttt 360
tttttttttt gagacagtct tgctctgtca ccccggttg agtgcagtag catgatttcg 420
gctcactgca acctcctcct cctgggttca agtgattctc ctgccccagc ctctgagta 480
gctgggatta caagcatccg ccacatgcc ctgctaattt tgtattttta gtagggacag 540
ggtttcacca tgatggctag gctgggtctg aactcttgat gtcaggatgat ctgcctgcct 600
cagcctccca aaatgctggg attacaggtg tgagccacca tgaccggctg atttcacact 660
cttagacttt gctgcgctaa ctcatgttag gaaaatcttt 700

```

```

<210> 2154
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2154
ccacatgcc ctgctaattt tgtattttta gtagggacag ggtttcacca tgatggctag 60
gctgggtctg aactcttgat gtcaggatgat ctgcctgcct cagcctccca aaatgctggg 120
attacaggtg tgagccacca tgaccggctg atttcacact cttagacttt gctgcgctaa 180
ctcatgttag gaaaatcttt cttctgttga cactattgcc agggctcctg ctttgacttt 240
ggctagcatg ggagaatcct tcatgactgc tgtaaaaaat aagctttgta aattccttca 300
attatttggg aagagccttg gactaggagt tagacgtcta ggctccaatt ctgatctgcc 360
cctctttttc tatatgacct tgacctaaagt tccttgatta ctttgggaat cagttttctt 420
atctgaagaa tgggaaacca aaacattggc tggacttttc tcttgggtat tgtgaaggca 480
gatgagatga tgatacctgt cgaaattatc aggggaaggta taagtatatc gggactctag 540
tgtacatatt aactatgggc agcgggtgtaa aacataacat tgtcatgaaa acatgttagg 600
aagcagatgt gatcgcatga atgtgaattg tgagtgaagc gtaggacaac tgtctntctg 660
tctgtgctag agaccttggg actagtgggt gatgaaagg 700

```

```

<210> 2155
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2155
cgaaattatc agggaaggta taagttatct gggactctag tgtacathtt aactatggtc 60
agcgggtgtaa aacataacat tgtcatgaaa acatgttagg aagcagatgt gatcgcatga 120
atgtgaattg tgagtgaagag gtaggacaac tgtctntctg tctgtgctag agaccttggg 180
actagtgggt gatgaaagggt gggatgggtt ttctccaccc taatctttat ttctctttcg 240
attctaattc tggacagtgt tcaaattcta cacggtttng tgacagtagt ttgaaaaagg 300
gatttgtaga gcttctctaa gcgacctccc tgattgctag ccatttccta ccctctcttc 360
tttccaatgt ccagactcct ctcaaaaaca agcctagtgt aatctgcca ctttaagaag 420
ttgttagagg aagaaagggc aggaaagcct ggatacaagg catcaaagac caagaaggag 480
acattgagta gtgtccttga ggactctctg gaccgtctgg aaaactggga ggtctatgag 540
ggcctctgct gtggagagggt tatcaaactc attgctgtgc tctaaatgtt tgtgtccccc 600
tggaattcat atgtcaaaat cataacctgc aagggtgatag tattagaagg tgagggtcttt 660
tgggaggcga ttagtgccct tgtcaaagag acccaagaga 700
```

<210> 2156
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2156
ggactctctg gaccgtctgg aaaactggga ggtctatgag ggcctctgct gtggagaggg 60
tatcaaactc attgctgtgc tctaaatgtt tgtgtccccc tggaattcat atgtcaaaat 120
cataacctgc aagggtgatag tattagaagg tgagggtcttt tgggaggcga ttagtgccct 180
tgtcaaagag acccaagaga gcttctgac cctccact atgtgagaac acagctagaa 240
ggctccatat gtgaaccaga aagcaggctc ttaccagaca gtgaatctgc tgggtgcctt 300
catcttggac ttcgagcctc caaaactgtg aaaaataaat ttctcttgtt tataagtcac 360
tcagtcaaag gtattttgtt agagcagccc ggctagacaa agacacctgt aaaaatggga 420
aaggagggtg atgggggtga aagggtctgc tagggctcct gagagacctt cagatccctt 480
gataatatga atgcttggga ccttggcttt gaagggccag atttggttga gaaagtattc 540
cagtcctcaa acctggccct taaatgcacc tctgggtctc tctcagtgtt acagttatat 600
tgaacactta tttttattga tggctaatta ggtgctaggc attaagacca ttattttatat 660
tactttttga taatttttta ttaaatggct atagaaaaaa 700
```

<210> 2157
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2157
ccttggcttt gaagggccag atttggttga gaaagtattc cagtcctcaa acctggccct 60
taaatgcacc tctgggtctc tctcagtgtt acagttatat tgaacactta tttttattga 120
tggctaatta ggtgctaggc attaagacca ttattttatat tactttttga taatttttta 180
ttaaatggct atagaaaaaa attaagtatt ttctcagtct ttcatcatat ctgaattatt 240
gcactcactt tgattaattc atgggacatt ttcttaatag tttgttagtt tattgccttt 300
ggaaagttcc tttttcctgt attttggcat gatttagcatt aatgttttgt actcacttgt 360
ttctggttca gtactagtga tacatgtgga aaaatgaatt aatatatgcc ccttcttttg 420
tagagtgtag tctattaaag gaaaatttaa aatgtaaata agtgatttta atatggtagt 480
ggtagtgca aagtctgggt gcaacacaga agacgcaatt aactctgctt taggacagag 540
aggattgaga gttcacaaag aaaggactct tgaattagaa tttcatgtag acagtggtag 600
taagagaagt tttaggctga tgctgtttca tgtgcaaata tacagtaaaa aaattacact 660
gtatttttag aacagcaata attttttcta ttagaagaac 700
```

<210> 2158
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 2158

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gcaacacaga agacgcaatt aactctgctt taggacagag aggattgaga gttcacaagg 60
aaaggactct tgaattagaa tttcatgtag acagtggtag taagagaagt tttaggctga 120
tgctgtttca tgtgcaaata tacagtaaaa aaattacact gtattttgag aacagcaata 180
atatttttcta ttagaagaac ataaaaattg aaaaaggaaa ctatggtgtt caagatgtta 240
atatatgcag gcttgtatta tggaggggtca ggtggatcat gacatagaac ttggattttg 300
ctttgttagg cagttctcaa acttaattgt gcataggaat cacctgaaaa tcttggaaaa 360
gtacagatct tgattcagta agttagagta cagcctgaga gtctgtattt ctaacaatct 420
ccctgctaca ctgggagtag caaggatgta cagaatagaa agcactgtaa ggttcaatca 480
ggggagtgtg ccagttacct tggacatgat agaaagatga ctggaagaga aacgctgttt 540
ctttccagcc ccatagaaat tgaattgtta ccgttgtaca agtctgtgtt aagggtggct 600
tccctcatag agcttgcaga tgtgaggagg aatgttcctg agagataaga agctgttgaa 660
tggtttatgt ttgtcatttg tgccaaccaa gaaaaggact 700

```

<210> 2159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2159

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tggacatgat agaaagatga ctggaagaga aacgctgttt ctttccagcc ccatagaaat 60
tgaattgtta ccgttgtaca agtctgtgtt aagggtggct tccctcatag agcttgcaga 120
tgtgaggagg aatgttcctg agagataaga agctgttgaa tggtttatgt ttgtcatttg 180
tgccaaccaa gaaaaggact tttgtttcag ttctgagggg tgaaggagggt gggcataagg 240
agtggggcga gtgcctacag ccagaggaga ctggtactta agcgagagcc tgttgctctg 300
tgctccccag gcaccacaga agcagcagag gcttttctgt aggtactacc atggcaagag 360
ggctccacag cttctcatca ctcaattgga agaggatgat gagtgggaca tcatcaggta 420
ttataatgtc atgtctgagg aggaaatcaa aaggatgaag gagattgtga agcccaaagt 480
aagtttctca gttggttctc accacatttt ccctctgcca cttcctgaga cctaccttgc 540
tgtcattatt ttagagaaac ttaaggaaaa agctggtagc agagtgtgaa gcagatttat 600
tttttaatga cctggtcctc cagaagaaat aaatatcatt atgtattatt tggtagctca 660
gatgagaatt ttaaaaatct ctttaaattt tattaatttt 700

```

<210> 2160

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2160

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accacatttt ccctctgcca cttcctgaga cctaccttgc tgtcattatt ttagagaaac 60
ttaaggaaaa agctggtagc agagtgtcaa gcagatttat tttttaatga cctggtcctc 120
cagaagaaat aaatatcatt atgtattatt tggtagctca gatgagaatt ttaaaaatct 180
ctttaaattt tattaatttt caacatttta tcttagtttt aaagattgca tatggctttt 240
tagggtttgt tgcttttttc tttttaattg acataattgt atatatatat ggggtacagt 300
gtgatatttt gatatgtata tacaatgtgt aatgattaaa tcacggtaat tagcatatct 360
atcacctcaa acatttatct gtgtgtgtgt gaacattcaa aatcttctct tctagatatg 420
tgaaaaataaa aaattaattg ttaattatat ttaccctaca gtgctataga aactagagc 480
ttattcctcc tatctagctt ttacatttgt atctattaac caacctttgg ctatcccacc 540
ctttctctta tacttccctg cctctagtaa ccactattct attctcttct atgaaatcaa 600
tttttttttag cttcaatatg taagtgtgac catgtgctat ttatctttct ctgcctggct 660
taatttccct taacataatg tctccaggc tcatccatgt 700

```

<210> 2161

<211> 700

<212> DNA

<213> Homo sapiens


```

<400> 2161
ttacatttgt atctattaac caacctttgg ctatcccacc ctttctctta tacttccctg 60
cctctagtaa ccactattct attctcttct atgaaatcaa ttttttttag cttcaatatg 120
taagtgagac catgtgctat ttatctttct ctgctgggct taatttccct taacataatg 180
tcctccaggc tcatccatgt tgcgtgaaat gagagaattt cattcttttt gtggttaaat 240
aatatttcat atatatatac cagattctct ttatccattc atgttaatgg acacttacgt 300
tgattccata ccttggctat tgtgaagagt gctacaataa acatgggatt gcagatatatt 360
ctttgacata ctaatttctt tcccttttgg tatgtaccta gcggtaggat tgctggaaca 420
taaagtagtt ctatttttagt ttttttgaga acctccataa tgttttctat aatggcttta 480
ttaatttaca ttctaccaa cagtgtataa gagttcactt ttctccacag ccttgccagc 540
atttgttatt ttttgcctt tttaaaatag gtgtgagaaa atatcttatt gtggttttgg 600
tttgcatatt cctgatgatt agtgatgttg agcatttttt catataacct ttggccattt 660
ctatgtcttc ttttaagatg tctgttcagc ttatttgctt 700

```

```

<210> 2162
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2162
cagtgtataa gagttcactt ttctccacag ccttgccagc atttgttatt ttttgcctt 60
tttaaaatag gtgtgagaaa atatcttatt gtggttttgg tttgcatatt cctgatgatt 120
agtgatgttg agcatttttt catataacct ttggccattt ctatgtcttc ttttaagatg 180
tctgttcagc ttatttgctt attttttaat cggattatta ttattttttg ctattgagtt 240
gtttgagttc tttgcatatt ctggttatca attccttgct agatgaatag tttgcaaata 300
tttctctcca ttctgcaggt tgtctcttca ctctgttgat tgtttcttct gctgtggaga 360
agggtttttt gtttgatata atctcatttg tttatttttg cttttgttgc ctgtgcacaa 420
aagagatcct tgccataaaa atctttgccc aaaggatatg aacagacact tctcaaaaga 480
agacatttat gcagccaaca gacatatgaa aaaatactca tcatcactgg tcatcagaga 540
aatacaaatc aaaatcacag tgagatacca tctcacgcca gttagaatgg caatcattaa 600
aatgtcagga aacaacagat gctggagagg atgtggagaa ataggaacgc ttttacactg 660
ttggtgggag tgtatattag tccaaccatt gtggaagaga 700

```

```

<210> 2163
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2163
gacatatgaa aaaatactca tcatcactgg tcatcagaga aatacaaatc aaaatcacag 60
tgagatacca tctcacgcca gttagaatgg caatcattaa aatgtcagga aacaacagat 120
gctggagagg atgtggagaa ataggaacgc ttttacactg ttggtgggag tgtatattag 180
tccaaccatt gtggaagaga gtgtggcgat tctcaagga tctagaagaa ataccatttg 240
accagccat cccttactt gggatatata ccaaaggact ataaatcatg ctactataaa 300
gacacatgca cacatatgtt tattgcggcg ctattcacia tagcaaagac ttggaactaa 360
cccaaatgtc catcaatgat agactggatt aagaaaatgt ggcacatata caccatggaa 420
tactatgcag ccataaaaaa gggatgagtt catgtccttt gtagggacat ggatgaagct 480
ggaaaccatc attctcagca aactatcgca aggacagaaa atcaaacact gcatgttctc 540
actcataggt gggagttgaa caatgagaac acatagacac agggagagga acatcacact 600
ctggggccta tcatggggtg gggggctggg ggagggatag cattaagtag agaaatacct 660
aatgtaaatg atgagttgat ggggtgcagca aacaaacatg 700

```

```

<210> 2164
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2164
aactatcgca aggacagaaa atcaaacact gcatgttctc actcataggt gggagttgaa 60

```

```

caatgagaac acatagacac agggagagga acatcacact ctggggccta tcatggggtg 120
ggggggctggg ggaggggatag cattagtagg agaaatacct aatgtaaatg atgagttgat 180
gggtgcagca aacaaacatg gcacatgtat acctatgtaa caaacctgca tgttgtgcac 240
atgtacccta gaacttaaag tataataaaa aaagaataaa aatataaata aaagtaagtc 300
ttggtgaaaa aaacaaaaca aaacaaaaaa aactttgccc agaccaaatg tctagaagtg 360
tttccccaat attttcttct cgtagtttca taatttgagg tcttacatta aagtagttca 420
ttcattttga gttgatcttt gcatgtggtg aaagagaggg gtctagtttc gttattctgc 480
atgtggatat tctgttttcc cagtaccatt tatttaagag gctattcctt cccagtact 540
gttttgcat ctttgttgaa aatcagttgg ctgtaaatat atgaatttat ttctaggttc 600
ttgttgctgt tctattttta tgctagtacc atgctgggtt tgtttagctt cttgaatctg 660
taatgtttat gtcttttacc aaatttgtga aaattttggt 700

```

<210> 2165

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2165

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cagtaccatt tatttaagag gctattcctt cccagtact gttttggcat ctttgttgaa 60
aatcagttgg ctgtaaatat atgaatttat ttctagggtc ttgttgctgt tctattttta 120
tgctagtacc atgctgggtt tgtttagctt cttgaatctg taatgtttat gtcttttacc 180
aaatttgtga aaattttggt cattctttct ctagttagtt tttctaccac attcttgttt 240
ttctttttct gggattcctc ttacacatat gtaagacctt tcattgttgt ctgatagttc 300
cctgaggtct tggttaatttg tttctctctt ctctcttctt cagattatat aatatccatt 360
gtctactgct aatctcaatg attcttccct ctgtcatctc tattttcatg ttaaccccat 420
ctattaaagt tttaaattca gatactgtat ttttcagttc tataattttt agttaattct 480
ttattgttgt ttctgttctt tttctgaaac ttgtcttctt ttcactaact atgagtatta 540
tttttcttta cgtcattgaa cgtgggtcta attaaccact ctgaaatcct tgtctgtgaa 600
ttccaacatc tgtttcatct ttgggttgat ctctgtgtct tttctcttgg aaatagggtca 660
catgtttctg gtccttcaca tgtcaagcaa ctttctattg 700

```

<210> 2166

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2166

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tttctgaaac ttgtcttctt ttcactaact atgagtatta tttttcttta cgtcattgaa 60
cgtggctcta attaaccact ctgaaatcct tgtctgtgaa ttccaacatc tgtttcatct 120
ttgggttgat ctctgtgtct tttctcttgg aaatagggtca catgtttctg gtccttcaca 180
tgtcaagcaa ctttctattg taccctggtt gctactgagg gaactccaga ttctgttata 240
ttcctttgaa gaatgttgtc ttgaactcct gacctcaagt gatccacca ccttggtctc 300
ccaaagtggg ggaattacag acatgagcca ccatgcctgg ccggaagaat gttgttggtg 360
ttaattacca agcaattaac ttggttggtg acaaactgca aactgttttt tgtgcagtat 420
atttctttta ttcttggtg ggctacttgc agtataacct acatatgtgt tgttttagcag 480
tctgccggag atttgggcag agtttacaca cagatggagt gtctccatgc tctctttttt 540
actgggattt cttttttact tttcagaatt tgtgcttgct ccagactctg taatctgata 600
ttttagggtta agaaaactgg gttttctatc aaaatttttag cagctgtata tgccatcaac 660
tatgggtatgt cctgaggcta atagtcattt taaaaacagg 700

```

<210> 2167

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2167

```

agtttacaca cagatggagt gtctccatgc tctctttttt actgggattt cttttttact 60
tttcagaatt tgtgcttgct ccagactctg taatctgata ttttaggtta agaaaactgg 120
gttttctatc aaaatttttag cagctgtata tgccatcaac tatgggtatgt cctgaggcta 180

```

```

atagtcattt taaaaacagg aaatcacccct gtactgttct cttcattcaa ggggtcaactt 240
ccaccattta tctgcctgct tttgtttact ctccattgac ttctactaat tgtattttgt 300
attttatcca gagtttatag ttgttatctg tgtgtgggtc actgtgatag aaaaatattc 360
aaccatattt ttcacatctt ttatttttaa taaaaataat ttactcatag taatttttta 420
ttcttatgat tgatatattt ggtttcaatt tgatgtatta ttccaggtta attttctgta 480
tttattattt tatattttcc tgttttacta ggatatatct tgggaattggc cattctaggt 540
taactccatt ctttgatttt tcttctttca aggattccaa ttataacctat gttgctcttc 600
tttgcgattc ttttatattt atcactattt ctggccctgt ttacctctgt gttcattttt 660
gcttcatttt cttgactttt ctcactcttc tctgtattgt 700

```

<210> 2168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2168

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tgttttacta ggatatatct tgggaattggc cattctaggt taactccatt ctttgatttt 60
tcttctttca aggattccaa ttataacctat gttgctcttc tttgcgattc ttttatattt 120
atcactattt ctggccctgt ttacctctgt gttcattttt gcttcatttt cttgactttt 180
ctcatcttcc tctgtattgt ttagtacagt tttgggtcata tctctttctt tcttaggcac 240
attataattt agtatttggt tctacgatta ttttatcatt ttcttcaata actttcttga 300
gtttgatcag tttctatttt acatcttttg ttgtccatat ccattccgag tttttatatt 360
tctgattttt ggcattcttt catatctaca gttgtttgct taattatatt taattaatct 420
tactgtattt tgttataggt tttctctttt ttttttggat aggtcaggat tgttttggtg 480
tgttttcaac tcttgaaaaa ttttgattat attttatggt tttctattta tagtaactta 540
tgtggatggt ggggtttaatt ttatttttgt tgttcctatg tttatttggt ttggattttc 600
ctgaaccagt gatcttgagt caactgtttc ttttatttct atagtgaat gcagtttttt 660
caattaaagg tacttttatg gtatgtcttc ttcaaattgt 700

```

<210> 2169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2169

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ttttgattat attttatggt tttctattta tagtaactta tgtggatggt ggggtttaatt 60
ttatttttgt tgttcctatg tttatttggt ttggattttc ctgaaccagt gatcttgagt 120
caactgtttc ttttatctct atagtgaat gcagtttttt caattaaagg tacttttatg 180
gtatgtcttc ttcaaattgt ttcttaatgt ataattttta tagggctctt actctcagcc 240
acttcattct cttcaccacc acacctccaa aggacagttc acttttcatg gttcctcttt 300
caccacagga acagtgcctt ccttatacta tctctgtgtg ctttacaagc tcttgtgttt 360
aaaaatatcca taagccagtc ctctgatgca ctaagtctca gatgttctct ctgtactttt 420
ccactcaggg tggagccctt ttctcttgaa agcaggacct tagatgatat atatgttaca 480
ccacattaaa agcacactgc atcattttact ttttctgcag tcccagactg gttcttttga 540
tagttgtcac tggagtactc tgctgacatt taatatttat ttattcactt ctaagaaaac 600
agaaatttgt actattctgt gtttcccggt tacaacgtag gcataaataa tgggtacttt 660
ttttctttgt tgggtggttt cagaaattta tgtagttaaa 700

```

<210> 2170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2170

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atcattttact ctttctgcag tcccagactg gttcttttga tagttgtcac tggagtactc 60
tgctgacatt taatatttat ttattcactt ctaagaaaac agaaatttgt actattctgt 120
gtttcccggt tacaacgtag gcataaataa tgggtacttt ttttctttgt tgggtggttt 180
cagaaattta tgtagttaaa attgctttta gaaggatgtc ttttctatg acacctgttt 240
acatttcaaa taatcagtgt cactaaccag aactttttca gctgtttgaa tttgcttttc 300

```

```

ttttcagcaa atgacatatg ctatgcatga atgttaaaat agctgaaaag aattgcctgt 360
atttaaatat taaaagaatt gcctgtatgt aaatactaaa agaatacact atattttaaag 420
aattgccttt tatttgaata aaataaatat attgcctatg tttaaatgaa atagctgaaa 480
aattgcctat atttaaatat ttaaatacat aaatctacta ttttttatgt taagtatttt 540
ttttatcaat actcatttag cccttactag atcatccctt gagagcagtg ctttctttgg 600
aaatagtcaa gggatggaag aggcaagctt atttgaaaaa acttgatatca cttctactgt 660
catactttat aaaacatttt atttagaaca tctcaacagg 700

```

<210> 2171

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2171

```

ttaaatacat aaatctacta ttttttatgt taagtatttt ttttatcaat actcatttag 60
cccttactag atcatccctt gagagcagtg ctttctttgg aaatagtcaa gggatggaag 120
aggcaagctt atttgaaaaa acttgatatca cttctactgt catactttat aaaacatttt 180
atttagaaca tctcaacagg ggccaaaatg cctcatttct aactgccata cttcacacag 240
aaatataggc atacctcaga gctattgcag gttcagttct cgaccaccat aataaagtga 300
atatacaaat aacaagagag cctgtccgtt gaagccaggc attgacatct ctctagctat 360
gaaagtccca gatggcacct tcttccaatg gaagagtgtt tcatctgcat tgaaaaatctg 420
ttgttttagta tagccacctt catcagggat cttagctagg tcttctggat cacttactgt 480
agcttctacc ttgcattctt gggattaaaa actttattcg atcatgatgt cttatctgtc 540
tgatgtattg atggattcaa cttactaatg tttttcttgc agatttttaa atctatgtac 600
atgagggtata ttgctcttta attttctttt tctatattgt ctttctctgg ttttgttattc 660
agggcaatgc tcacctcatg agttgggaac tattccattc 700

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<210> 2172

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2172

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gggattaaaa actttattcg atcatgatgt cttatctgtc tgatgtattg atggattcaa 60
cttactaatg ttttcttgc agatttttaa atctatgtac atgaggtata ttgctcttta 120
attttctttt tctatattgt ctttctctgg ttttgttattc agggcaatgc tcacctcatg 180
agttgggaac tattccattc tcttctagtt tccagaatag tttatataga attgctagta 240
tttcttactt acttggtaga attcactaaa tggaccattt tgtgctggaa ttttctttgt 300
tggaatatac tttaataagc atgggatcgt tcatattatt tcttcttgaa tgagcttttg 360
gtagtttggtg tctttcaagg aatgtgtttg tttcatccaa gttgttaa atattaatgt 420
cagagaaatc tgtgatagtc cttctttgat tcttgatata agcaatttgt ttcttctttt 480
tttcaatatc agtttgacta gaagcttctt taattgatct tttcaaggag ttaactttta 540
aaaaaatatt caatagggtt ttggggaaca ggtgggtgtt ggttaa atga gtaagttctt 600
tagtggtgat ttttgagatt ttggtgcact tgtcacccaa gcagtgtaca ctgtatccaa 660
tgtgtagcct tttattcctc atcccttctc acttaccctc 700

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<210> 2173

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2173

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gaagcttctt taattgatct tttcaaggag ttaactttta aaaaaatttt caatagggtt 60
ttggggaaca ggtgggtgtt ggttaa atga gtaagttctt tagtggtgat ttttgagatt 120
ttggtgcact tgtcacccaa gcagtgtaca ctgtatccaa tgtgtagcct tttattcctc 180
atcccttctc acttaccctc gaatccccaa agttcattgt attatatcat tcttttgctt 240
tgcatcctta tagcttagct cctacttatg agttagaaca tacgatgttt ggttttctat 300
tcttgattta cttcacttag aataatggtc tccaattcca tccaggttgc tgagaatgcc 360
attattgtgt tcatttttta tgcttgagta gtattccatc atatgattta ttttcatatg 420

```

```

tcttgtgcta ctataaatat gcatgtgcaa gtatcttttt tgtataatga cttcttttcc 480
tctgggtgga tacccaagag tgggatttct ggatcaaagtg gtagatctac gtttagttct 540
ttaaggaatc tccacactgt tttccatagt gggtgtactt agttctttaa ggaatctcca 600
cattgttttc tatagtgggt gtactagttt acattccac caacagtgtg aaagtgtctc 660
gttttctactg catccacacc aacatctatt attttttgat 700

```

```

<210> 2174
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2174
tgggatttct ggatcaaagtg gtagatctac gtttagttct ttaaggaatc tccacactgt 60
tttccatagt gggtgtactt agttctttaa ggaatctcca cattgttttc tatagtgggt 120
gtactagttt acattccac caacagtgtg aaagtgtctc gttttctactg catccacacc 180
aacatctatt attttttgat attttgatta tggccattct ttcaggagtg aggtgggtatc 240
atatgggtggg tttgatttgc atttccttga tcattagtga tgttgagcat tttttttaat 300
atgtctgttg gccatttctg taccttcttt tgagaattgt ctattcatgt ccttagtcca 360
ctttctgatg ggattgtttt gttcttgcta atttgtttga gttccttgta gattctggat 420
attagtctct tgttggatgt gtagattgtg aagattttct cccactctgt gggttgtctg 480
ttaactctgc tgattatttc ttttgcagtg gagaagcttt ttagttaagt cccatctgtt 540
tatctttttt ttttgtttgt ttgtttgctt ttgggttctt ggtcatgaag tttttgcctt 600
ctagtcagtg tctagaagga ttttttcaat gttatcatct agaatcttta tggtttcagg 660
tcttggattt aagcctttga tccatcttgt tgatttttgt 700

```

```

<210> 2175
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2175
ttttgcagtg gagaagcttt ttagttaagt cccatctgtt tatctttttt ttttgtttgt 60
ttgtttgctt ttgggttctt ggtcatgaag tttttgcctt ctagtcagtg tctagaagga 120
ttttttcaat gttatcatct agaatcttta tggtttcagg tcttggattt aagcctttga 180
tccatcttgt tgatttttgt ataagggtgag agatgaggat ctggtttcat tcttctacat 240
gtggcttgtc agttatctca gcaccatttg ttgaataggg tgtcctttct ccaccttata 300
ttttgttttg ctttgtcgaa gatcagttgg ctgtaagtat ttgtctttat ttctggattc 360
tgcaatctgt tccattgggtc tatgtgcttg tttttatact aaataccaag ctgttttggg 420
gattatggcc ttatagtata gtttgaagtc agataatgtg atgcctccag attgttcttt 480
ttgcttagtc ttgctttggc tgtggaggct cttttttggg ttcatatgaa ttttaggatt 540
gttttttcta gttctgtgaa gaatgatgat ggtattttta tgggaattgc attgactttg 600
tagattgctt ttgggtggat ggtcattttc acaatgttga ttctacctat ccatgagcat 660
gggatctgtt tccatttgtt tgtgccatct atgatttctt 700

```

```

<210> 2176
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2176
tgtggaggct ctttttttggg ttcatatgaa ttttaggatt gttttttcta gttctgtgaa 60
gaatgatgat ggtattttta tgggaattgc attgactttg tagattgctt ttgggtggat 120
ggtcattttc acaatgttga ttctacctat ccatgagcat gggatctgtt tccatttgtt 180
tgtgccatct atgatttctt tcagcagtggt tttatagttt tccttgtaga ggtctttcac 240
ctttcaagga gttaaccttt ggtttcacag attttctcta ttgtgtctct ttgtcatatt 300
tcattgattt ctgcccttct acataaattt tttccttcta cttgctttgc gtttaatttg 360
ttgttctttt tctaggctct tagagtagca ggtagggtta ttgactggaa acttttcata 420
aaaacattta ataatctaca ttttcttgta agcattgttt tgactatatt gtgcaaaaat 480
ttgaaaaaaa aattcttata ttgggataaa ttttagattt atgtaatagt tttaaataga 540

```

```

atatagagtt ctctcatata tttcatcatt tcctctaatt ttaataactt acataaccat 600
ggtacatttt tcaaaactga aaaattaaca ttgatataatt actattacct taagatccag 660
actttattca gatttaacca acttttctac taatgtcctt 700

```

```

<210> 2177
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2177
ttgggataaa ttttagattt atgtaatatg tttaaataga atatagagtt ctctcatata 60
tttcatcatt tcctctaatt ttaataactt acataaccat ggtacatttt tcaaaactga 120
aaaattaaca ttgatataatt actattacct taagatccag actttattca gatttaacca 180
acttttctac taatgtcctt tttttgttct aggatccaac ccaaaatacc acagtgcac 240
tagtcatcat gtctctttca tttattcttt cttattttt aaagaccttg atggttatta 300
agagtcatat gttttataga agggccacca acttagattt ttctgatgtt ttcttatgat 360
tacaccaaag ttatcaattt gaggggaagaa tgtacccttc atgttgcata attttagggg 420
aacgtgactg atgaagtaaa ctttgatcac ttggccaagg tcatcacaca agtatgatat 480
gttgtcccta catgtaaatg caactcagaa tgttttctaa tttcctttat gacttccact 540
ttgactcatg agttatttag aagcatgttg cttatttcac aaatatttgg ggattttcca 600
gatatttctg ttattctaatt tttattctgt tgtggtcaga taacataactt tgtgtgcttt 660
cagttatttt aaatttggtg aggattgttt tatgaccaag 700

```

```

<210> 2178
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2178
caactcagaa tgttttctaa tttcctttat gacttccact ttgactcatg agttatttag 60
aagcatgttg cttatttcac aaatatttgg ggattttcca gatatttctg ttattctaatt 120
tttattctgt tgtggtcaga taacataactt tgtgtgcttt cagttatttt aaatttggtg 180
aggattgttt tatgaccaag aatatgattt agcttgatga atgtttcatg tgcacttgaa 240
aagaatgtgt attctgctgt tgttttagttg aatgctcttt aaatgtcaac taggtaaagt 300
tggttgatag tgttggtcag gtcttctgta tccttattta ttttttctct attttttcta 360
tcatttattg aggactgttg aggtgtaact gtaattgtgg gtttgtatgt ttctattcag 420
gtctatcatt ttgtcttcatt gtattttgaa actcttggtt aggttaagta ataatttaga 480
ttgttatgta ttcttggtta atttaccaact ttgtcatcct ataatgtccc tgttttcata 540
tatatgaaaa cagggacaag aaatatttta tatatatata taaatttata tatatatata 600
aaatatttct tgttctgaag tctccttttt tgatactaatt atagctgttc tagctttcct 660
ttgatttatg tttcaacaat atatcatttt ccatcatttt 700

```

```

<210> 2179
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2179
atttaccact ttgtcatcct ataatgtccc tgttttcata tatatgaaaa cagggacaag 60
aaatatttta tatatatata taaatttata tatatatata aaatatttct tgttctgaag 120
tctccttttt tgatactaatt atagctgttc tagctttcct ttgatttatg tttcaacaat 180
atatcatttt ccatcatttt atttttatta aattaatgca cttcattttt aaaagaagt 240
ttaggtttac aaaaaactta gcataaagta cagtgtctct ataatcccc acccccatat 300
agtttctcct attattaact tcttgctttc acgtggtgtg ttcatataca gtgatgcaca 360
aatatggata cattattatt attattattt tgaggcagag tctctccctc tgtcacccag 420
gctggagtgc agtggcatga tctcgatctc ggctcactga aacctccgcc tcctgagttc 480
aagctattct tctgcctcag cctcccagat agctggatct acaggcatgc accaccatgc 540
cgggctaatt ttttcatttt tagtagagac ggggtttcac catgttggcc aggctggtct 600
caaagtgcgg ggattacagg catgagccac agcaccacgc ctgatacatt attattaact 660

```

aaagtccaca attcacatta gagttctctc tttgtgttgt

700

<210> 2180

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2180

cctcccagag	agctggatct	acaggcatgc	accaccatgc	cgggctaatt	ttttcat	60
tagtagagac	ggggtttcac	catggtggcc	aggctggtct	caaagtgcgg	ggattacagg	120
catgagccac	agcaccacgc	ctgatacatt	attattaact	aaagtccaca	attcacatta	180
gagttctctc	tttgtgttgt	acagttctgt	agattttgac	aattgtatga	catgtgtcca	240
ccgttacagt	tttatacagc	ataatttcat	tgccaaaaaa	atgttctgtg	ctccacttat	300
tcatcattcc	ctctgcccgc	aaactcttgg	caaccactgg	tctttctacc	atctgtatag	360
ttttgccttt	tccagaatgt	gatgtaattt	gagtcataca	ttatttagcc	ttctcagatt	420
ggtttctttc	acttagcaac	atgcatttaa	ggtttccccc	tgtctttttg	tggcttgata	480
gctcatttcc	ttatattgcc	aaataatatt	ttattgtatg	gctgtatcag	tttgtttatc	540
cattcatcta	ttggaggatg	tcttggttgt	atccagggtt	tggcaattat	gaataaagct	600
actgtgaaca	tttgtatgca	ggtgtttggg	tgtacttgga	ttttcaactg	atltgggtaa	660
ataccaagca	gcatgatcgc	tggattgtat	agtaagacta			700

<210> 2181

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2181

aaataatatt	ttattgtatg	gctgtatcag	tttgtttatc	cattcatcta	ttggaggatg	60
tcttggttgt	atccagggtt	tggcaattat	gaataaagct	actgtgaaca	tttgtatgca	120
ggtgtttggg	tgtacttgga	ttttcaactg	atltgggtaa	ataccaagca	gcatgatcgc	180
tggattgtat	agtaagacta	tgttttagctt	tgtgaagaaac	tgctgaactc	tcttccaaaa	240
tggctatagc	atlttgcaat	cctaccaaca	gtgtataaga	gtttctatag	ctatatatcc	300
tcaccaatat	ttgggtgttg	ctgtgttttg	gattttcatc	attctgacag	atgcatagt	360
atatctcatt	ggtgttttaa	tttgcaattc	cctaatagaca	tataatattt	agcgtttttt	420
tccccccgag	atggagtcctg	gctctgttgc	ccaggctgga	gtgcagtggg	gcggctctcag	480
cccattgcaa	cctctgcctc	tgcagttcaa	gcaattctcc	tgcctcagcc	tcccaagcag	540
ctgggattac	aggcgcctgc	caccatgcat	ggctaatttt	tgtattttta	gtagagaagg	600
ggtttcacca	tgttgaccag	actgggtctcc	aactcctgac	ctcgtgatct	gcctgcctca	660
gcctcccaaa	ctgctgggat	tacagggtgtg	agccaccacg			700

<210> 2182

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2182

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caccatgcat	ggctaatttt	tgtattttta	gtagagaagg	ggtttcacca	tgttgaccag	120
actggtctcc	aactcctgac	ctcgtgatct	gcctgcctca	gcctcccaaa	ctgctgggat	180
tacagggtgtg	agccaccacg	cctggccaat	atlttagcatc	ttttcatata	cttacttgcc	240
atltgtatat	catctttgat	gagggtgtgt	tgttttagata	tttttgccca	tttttaaagt	300
tgggttattt	atlttcttat	tgttgagttt	tgagagttct	ttatatattt	ttaataacag	360
tcttttatca	gatacgtgtt	ttgcaaatat	tttctcccag	tctgtggctt	ttctttttat	420
tctcttgaca	tattttactt	tttaaccatc	tttgccttta	tgttttagagt	gagctcctta	480
tagaaagcat	ataatcatgc	cttgcttttt	catccaattg	gacaatctct	tttaaatattg	540
tatgttttaga	tcattttatac	ttaatatagt	tattgatata	gttggaactaa	aatctgtcat	600
ttttcttgct	atltttttatt	tgttccatct	gttttttggt	ctttttttcc	ccttttctgc	660
ctgcttttga	attggctatt	ttctttttat	atactttaag			700

<210> 2183
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2183
cttgcttttt catccaattg gacaatctct tttaatattg tatgtttaga tcattttatac 60
ttaatatagt tattgatata gttggactaa aatctgtcat ttttcttgct attttttatt 120
tggtccatct gttttttgtt ctttttttcc ccttttctgc ctgcttttga attgggtatt 180
ttcttttatt atactttaag ttttagggta catgtgcaca atgtgcagggt ttgttacata 240
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tctcctaagt ctatccctcc cctctccccc taccgacaa caggccctgg tgtgtgatgt 360
tcccccttcc ctgtccatgc gttctcattg ttcaattccc acctacgagt gagaacatgc 420
gggtgtttgga ttttttgtcc ttgtgatagt ttgctgagaa tgatggtttc cagcttcac 480
catgtcccta caaaggacat gaactcatca ttttttatgg ctgcatagca ttccatgggtg 540
tatatgtgcc acattttctt aatccagtct atcattgttg gactattttt tatgctgttt 600
ttttccttcc tttattgggt tatttataac ctcttttaag aaaatttttag tggttgtcct 660
taagtttaca gtatgcacct ttaattaatc acagtcagcc 700
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<210> 2184
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2184
gaactcatca ttttttatgg ctgcatagca ttccatgggtg tatatgtgcc acattttctt 60
aatccagtct atcattgttg gactattttt tatgctgttt ttttccttcc tttattgggt 120
tatttataac ctcttttaag aaaatttttag tggttgtcct taagtttaca gtatgcacct 180
ttaattaatc acagtcagcc ttcaaatagt acgtataata tatataaggt ttaagaacct 240
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atgctgtatt ccaacacact gctactattt tttgctttag acaattatgt tttagataat 360
taaaaataag aaaaagtatt ttatgtttat cttcatttat ccattcccag acatctttat 420
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taaaaagttg ccactccatc ctaacaacaa ataaaaactg aacaagctga agaattaaca 600
actcttctta gatctataag agaggtgagg tcacaaggta aacttctgcc ccagaattg 660
gggagaaaaa caggcagata cagaaaatca caacttacca 700
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<210> 2185
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2185
tttaggaatt tgagtttcca gtccagcatg ttaggagttt taaaaagttg ccactccatc 60
ctaacaacaa ataaaaactg aacaagctga agaattaaca actcttctta gatctataag 120
agaggtgagg tcacaaggta aacttctgcc ccagaattg gggagaaaaa caggcagata 180
cagaaaatca caacttacca gagcggaaac tcacctccat gagaagaagt accgggatag 240
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atttaaagggt gggataaaaa gctgaaaaac actggtgaag ttcatgtct agcaacacag 600
gctcaccaga agactgagat ctaatcatag gactatggaa cacttccctg ccctccatat 660
cttaccacta cattactaaa agcctatgta gccaggcgcg 700
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<210> 2186
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2186
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 gctgaaaacg actggtgaag ttcattgtct agcaacacag gctcaccaga agactgagat 120
 ctaatcatag gactatggaa cacttcacctg ccctccatat cttaccacta cattactaaa 180
 agcctatgta gccaggcgcg gcgtctcacg cctataatcc cagcactttg ggaggccaag 240
 gcggggagaat cacttgaggc caggagttca agaccatcct ggccaatatg gtgaaacccc 300
 atctctacta aaattacaaa aaatagctgg gcttggtggc acacacctgt aatcccagct 360
 acgtgggagg ctgaggcagg agaaccactt gaacccggga ggcagaggtt gcagtgaagt 420
 gagatcacgc cactgcactc cagcctgggc aacaaagtgc gactctgtct caaaaacaaa 480
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 cagcagtata ctacaaggca tattaaaagg caaaaaacac aattggaaga gacagagcaa 600
 ccatcagaat cagacccata tgtggcaagg atgtgagaat tatcagactg ggaattttta 660
 acaactatga ttaatatgcc aagggcacta atagaaaaag 700

<210> 2187
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2187
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 tattaaaagg caaaaaacac aattggaaga gacagagcaa ccatcagaat cagacccata 120
 tgtggcaagg atgtgagaat tatcagactg ggaattttta acaactatga ttaatatgcc 180
 aagggcacta atagaaaaag taggtaacat gcaagaacag atgagtaatg taagcagaga 240
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 ctgaaattaa gaataccttt gggttaagctc atcagtatac tggacacaga tgaggaaaga 360
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 aaaactttta aaacagaaat atccaagaac tgtaagacaa ccacaaaaat gtaagtacat 480
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 ggaaataatt ttccctcaaat taatgtcaga catcaaacca cagatctaag aatcagagaa 600
 caccaaatag gataaaattt taaaaagccc caaaaatgaa aaactatacc taggcatatc 660
 atattaaaac tgcagaaatt ttcagataaa gaaaaaaaat 700

<210> 2188
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2188
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 taatgtcaga catcaaacca cagatctaag aatcagagaa caccaaatag gataaaattt 120
 taaaaagccc caaaaatgaa aaactatacc taggcatatc atattaaaac tgcagaaatt 180
 ttcagataaa gaaaaaaaaat cttgaaagaa agccgggggt ggagggggga atcttatcta 240
 taaaggagca aagataagaa atattttctc tcctgagaaa tcatgcaagc aagaaaaaat 300
 tggagtgaat aatcaaagca ttgagagaaa aaaaaaaaaa cccaccaacc tacaattctg 360
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 aactgaatga aattgttgcc agtagatctt ccttgtaaga aatgttttaa agaagttggt 480
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 aaggagtaag taaatataaa ataaacacat ttttcttatt cttaattgat gtaactgata 600
 acagtgtgtt taacaatatt aacaatgcat tcaattttgt gtgtgtatat aaatatatac 660
 atttatgtgt gcttatgaat aagtgaatg aatgacagca 700

<210> 2189
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2189

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taggtcagaa tctcagatct atataaagaa agcatcagag aaggagtaag taaatataaa 60
ataaacacat ttttcttatt cttaattgat gtaactgata acagtttggt taacaatatt 120
aacaatgcat tcaattttgt gtgtgtatat aaatatatac atttatgtgt gcttatgaat 180
aagtgaatg aatgacagca gtgatgcaag ggatgggagg gagaattaga aatacttggg 240
tattaggtac ttgcaactgta tgggaagtgg tatagtatta ttgaaaatg gattgggggt 300
agttataaat gcataattca aactctaggg caaccacttt aaaaagtaag aaaaagaagt 360
ataattggta tgctaagaaa agagagaaaa tgggaatcata taaaatgctc aattaaaacc 420
acggaaggca gaaaaagagt ggaagacaga aataggaaca aagaacaaag gcaacaaata 480
gaaaatagta acagatatgg cagatcaaac tatatcagta aacacttcac agtcactctg 540
gaaggcagtt tggctgtctc ttaccaaact aaacatgctc ttagcacatg atccagccct 600
tgcaactcctt agaatttacc caaataagtt aaaaacttat gttcaccag aacagctgca 660
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<210> 2190

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2190

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caaataagtt aaaaacttat gttcaccag aacagctgca tacagctggt tatagcagct 180
ttcttcatag ttgcgaaaac ctggaagcaa ccaagatgtc ttgcttccag gtttgggaagg 240
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agaagctcat ctgagaaggc cagcttcaag tgattctcat gcctcaacct ctcaagtagc 420
tgggattaca ggcacgtgcc accatgcctg gctaattttt tcatttttag tagagacaag 480
gtttcaccat gttggccatg ctggtcttga actcttgacc tcaagtgatc cgccacacct 540
ggcctcccaa agtggtagga ttacaggcat gagccaccat gcccaccccc attatacgtt 600
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<210> 2191

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2191

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acgccaccaa gagtgaacct taatataaac tgtggacctg ggggtgataat tatgtgacaa 180
tgtaggttca ttgatctaac acatgtacca ctgtgacgca gtacatcaat agtggggatg 240
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cacttgggtg agaattctgg gttgatagca attttttttc ttttattcct ttaaagatct 420
cacaccattg tcttctggat tatataattt ctgaatatgt ctgctgtaat tcttatcttg 480
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ggttttcagc agtttaaaata taacgtatct ttctaagcgt gatttctttt agtgggtggg 600
gtgggggtatt tatcctgatt gtgacctctg agttttattt tttaaaaaat acatatatat 660
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<210> 2192

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2192

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ctttttatct tgcctatgtt aagattttct atttgttttt ggttttcagc agtttaaaata 60

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taacgtatct ttctaagcgt gatttctttt agtgggtggtg gtgggggtatt taccctgatt 120
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tatatttttt atatatattat ttatttttaga gacagggtct tgctgtgttg tccagactgg 240
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aaaagaaaaa ttaaaatcta cttccttcct ctggaatttt aaggcttagg agaagagttg 600
tgtacatgtc cagaagaaaa gtggagttga gtcagtttat taggatgtgg tgtggggttg 660
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<210> 2193

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2193

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atgtatccca gaacttaaag tataataaaa aaaattttta aaaagaaaaa ttaaaatcta 60
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gtggagttga gtcagtttat taggatgtgg tgtgggttg ggattttttt gtttttggtt 180
ttgtggttgc tttcagtgtg cctccaactt caaagcattg tgcttagagt agaggctggg 240
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aattcccagt ggacctgtac cttggaggga tgtttcttga tgcattgctt gcccttgtcc 360
agcagtggtc tctgttctt tgttactcat gcttgctagt ccagtgtagg ggaccagtga 420
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gtgggaaggg caggaaatgg tctggcccaa gttcattaga ggtttttggt attggtttgt 540
ttgtttggtt gtttggttgt tttgagacag agtcttggtc tgtcaccag gctggagtgc 600
agtgggtgca tctcagctca ctgcaacttc tgccctctgg gttcaagcaa ttctcctgcc 660
tcagctcctg agtagagggg attacaggca tgtgccacta 700

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<210> 2194

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2194

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tctggcccaa gttcattaga ggtttttggt attggtttgt ttgtttggtt gtttggttgt 60
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ctgcaacttc tgccctctgg gttcaagcaa ttctcctgcc tcagctcctg agtagagggg 180
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ttggctgtct cagagagggg atcaggatca ccaggaaatc tccagacatg gagaaccagt 480
ctttcttggt agcatccagt aaaggtctgt ggagaaaaat gtatgagaga ggtgtgaatt 540
tttcttggtg ctgtgactcc caggaatttc atattcacac attagccac aatttgcctt 600
tagtaatttt tttttttaa agctccagtc tgcagctccc agtgagacca acgcagaagg 660
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<210> 2195

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2195

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aaaggtctgt ggagaaaaat gtatgagaga ggtgtgaatt tttcttggtg ctgtgactcc 60
caggaatttc atattcacac attagccac aatttgcctt tagtaatttt tttttttaa 120
agctccagtc tgcagctccc agtgagacca acgcagaagg tgggtgattt ccagctgagg 180

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tgccccggttc	atctcattgg	gactagtttag	gcagtgggtg	ccaccacacag	agagcaagca	240
gaagcagggt	ggggcatcgc	ttcacctggg	aagtgcagg	agccaggga	cctcccttcc	300
acagccaagg	gaagtgggga	gggactgtgc	taccctccct	ggatactaca	cttttcccgt	360
ggatttttgc	aatctgcaga	tcaggagatt	ccctcgtgaa	cttacaccac	cagagccctg	420
ggtttcaagc	acaaaactga	gcagctgatt	gggcaggcac	tgagctagct	acaggagttt	480
ttttgtactc	cagcggcacc	tggaaccata	atgagacagg	agacaggaga	gacaggagaa	540
ccgtccactc	ccctagaaag	ggggctgaag	ccaggagacc	aagtgggtctt	gctcagcagg	600
tcccactccc	acagatccca	gcaagctaag	aaccactggc	ttgaaattct	cactgccagc	660
acagcagtct	ggagttgacc	cagaatgata	gagcttggtg			700

<210> 2196

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2196

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gcaagctaag	aaccactggc	ttgaaattct	cactgccagc	acagcagtct	ggagttgacc	180
cagaatgata	gagcttgggtg	gcgggagggg	catccaccag	tactgaggca	ttagtaggcg	240
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gtacagagca	tctggaggga	agggcagctg	cagtcacaac	ttcagcagac	ttatatcttt	480
cctgcctcct	ggctctgaag	aaagcaactg	atcctgacaa	gggggattat	tccagcacag	540
tgtactagct	ctgctaagga	acagactgcc	ttctcaagtg	ggtccctgac	ccctgtgcct	600
ctgactggga	gagacctccc	aacagggatc	aacagacacc	tcatacagga	gagctctggc	660
tggcatcagg	ccagtgcacc	ctgggatgaa	gcttccagag			700

<210> 2197

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2197

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acagactgcc	ttctcaagtg	gggtccctgac	ccctgtgcct	ctgactggga	gagacctccc	120
aacagggatc	aacagacacc	tcatacagga	gagctctggc	tggcatcagg	ccagtgcacc	180
ctgggatgaa	gcttccagag	gaaggagcag	gcagcaatct	ttgctgttct	gcagcctcca	240
ctggtgatac	ccagggtgaac	aggggtctgga	gttgacctcc	agcaaactac	agcagacctg	300
cagaagaggg	gcctgactgt	tagaaggaaa	actaacaac	agaaagcagc	aacaacaaca	360
acataaaaaa	gatccccaca	caagaacccc	atccaaaggt	cattagcctc	aaagatcaaa	420
ggtagataaa	tccatgaaga	tgaggaaaaa	ccagtacaga	aatgctgaaa	attccaaaag	480
ccagaatgcc	tcttctcctc	caactgattg	cagcacctct	ccagcaaggg	tgtaaaaactg	540
gacagagaat	gagattgatg	aattgacaga	agtaggcttc	agaagatggg	taataacaaa	600
ttcctctgag	ctaaaggagc	acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	660
aggttacagg	aactactaac	tagaataacc	agttcagaga			700

<210> 2198

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2198

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aattgacaga	agtaggcttc	agaagatggg	taataacaaa	ttcctctgag	ctaaaggagc	120
acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	aggttacagg	aactactaac	180
tagaataacc	agttcagaga	ggaatataaa	tgacctgatg	tagctgaaaa	aacagcatga	240
taatttagtg	aagcataaac	aagtattagt	agccaaatca	cgtggaagaa	aggatgtcag	300

aaattgaaga	ccaccttgct	gaaataaagc	atgaagacaa	gattagagaa	aaaggaatga	360
aaaggaatga	acaaagcctc	cacaaaatat	gtgactatgt	gaaaggacca	aacctacaat	420
taatgggtgt	acctgaaagt	gatggggaga	ttggaaccac	gttggaacac	acacttcagg	480
atattatcca	gaacttcccc	aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	540
agagaacacc	acaaaaatac	tccttgagaa	gatcagcccc	aagacacata	atcttcagat	600
tcaccaaggt	tgaaatgaag	gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	660
cgtacaaagg	gaagcccatc	agactaacag	cagatctctc			700

<210> 2199

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2199

aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	agagaacacc	acaaaaatac	60
tccttgagaa	gatcagcccc	aagacacata	atcttcagat	tcaccaaggt	tgaaatgaag	120
gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	cgtacaaagg	gaagcccatc	180
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ttcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	tatatccagc	caaactaagt	300
ttcataagca	aaagagaaat	aaagtccttg	agagacaagc	aaatactgag	gattttgtca	360
ccaccaggcc	tgcttgcaa	gagcacctga	aggaaacact	aactatggaa	aggaaaaact	420
gggtaccagcc	attgcaaaaa	cacatcaaaa	tataaagacc	atcaacacta	tgaagaaact	480
gcatcaacta	atgtgcaaaa	tagccagcta	gcatcatgat	gacaggatca	gattcacaca	540
caataatatt	aaccttaaat	gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	600
caaattggat	aaagagtaaa	gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	660
gcaaagacac	acataggctc	aaaataaagg	gatggaggga			700

<210> 2200

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2200

tagccagcta	gcatcatgat	gacaggatca	gattcacaca	caataatatt	aaccttaaat	60
gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	caaattggat	aaagagtaaa	120
gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	gcaaagacac	acataggctc	180
aaaataaagg	gatggaggga	tatttaccaa	gcaaatggaa	agcaaaaaaa	gtaggagtgt	240
cagtcctagt	ctccgataac	acatacttta	aaccaacaaa	gatcataaaa	gacaaagagg	300
ggcattacat	aatggtaaa	ggatcaatgc	aacaagaaga	gctaactctc	ctaaatgtac	360
atgcacccaa	tacaggagca	cccagattca	taaaacaagt	tcttagagat	gtacaaagag	420
acttagactc	ccacacaata	aaaaagggag	actttaacac	cccactttca	atattagatg	480
gatcaacgag	acagaaaatt	aacaaggata	ttcaggatgt	gaactcagct	ctggatcaag	540
gggacctaat	agacatctac	agaactctcc	accccaaadc	aacagaatat	ttattcttct	600
cagcaccaca	tggcacttat	tctaaaattg	accacatgat	tgggagtaaa	acactcctca	660
gcaaatgcag	aagaatggaa	ataataacag	tctgtcagac			700

<210> 2201

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2201

aacaaggata	ttcaggatgt	gaactcagct	ctggatcaag	gggacctaat	agacatctac	60
agaactctcc	accccaaatc	aacagaatat	ttattcttct	cagcaccaca	tggcacttat	120
tctaaaattg	accacatgat	tgggagtaaa	acactcctca	gcaaatgcag	aagaatggaa	180
ataataacag	tctgtcagac	cacagtgtga	ttagcattaa	gaagctcact	caaaacctca	240
caactacatg	gaaattgaac	aatgtgctcc	tgaatgacta	ctgggtaaat	aacaaaatta	300
aggcagaaat	caagaagttc	tttgaaacca	atgagaacaa	agactcaaca	tgccagaatc	360
tctgggacat	agctaaagta	gtgttaagag	agaaatttat	agcactaaa	gcccacatca	420

gaaagctgga	aagatctcaa	attgacaccc	taacatcaca	attaaaaagga	ttagaaagca	480
ggagcaaaca	aattcaaaaa	ctagcagaag	acaagaaata	actaagatta	gatcagaact	540
gaaggagata	gaggcacaaa	aaacccttca	aaaatcagtg	aatccaggag	gtgggtttttt	600
gaaaaaaaaa	aaaaaattaa	caaaatagat	agactcctag	ctagactagt	aaagaagaaa	660
agagaagaat	caaatagaca	caataaaaaat	gataaagaga			700

<210> 2202
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2202						
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aaacccttca	aaaatcagtg	aatccaggag	gtgggtttttt	gaaaaaaaaa	aaaaaattaa	120
caaaatagat	agactcctag	ctagactagt	aaagaagaaa	agagaagaat	caaatagaca	180
caataaaaaat	gataaagaga	atatcagcac	tgatcccaca	gaaatgcaca	ctaccatcag	240
agaatactat	aaacacatct	acacaagtaa	actagaaaat	ctagaaaaaa	tggataaatt	300
cctggacaca	tacatcctcc	caagactaaa	ccaggaagaa	gtcaggtccc	tgaatagacc	360
aataacaagt	tctgaaatcg	aggcaataat	taatagccta	ccaacaaaaa	aaatcccagg	420
accagacaga	tttcacaacc	aatttctacc	agaggtagaa	agaggagctg	gtaccattcc	480
ttctgaaact	attctaaata	attgaaaaag	aggcactcct	cctgaactca	ttttatgagg	540
ccagcatcat	cctaatacca	aaaccttgca	gagacataac	aaaaacagaa	aacttcaggc	600
caatatccct	gatgaacatt	gatgagaaaa	tcctcaataa	aatactggca	aaccaaattct	660
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<210> 2203
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2203						
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aaaccttgca	gagacataac	aaaaacagaa	aacttcaggc	caatatccct	gatgaacatt	120
gatgagaaaa	tcctcaataa	aatactggca	aaccaaattct	agcagcacat	caaaaaagtt	180
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tcaataagcg	taatccatca	cataaacaga	accaatgaca	aaaactgcat	gattttctca	300
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aaactaggta	ttcatggaac	atatctcaaa	ataataagag	ctattttatga	caaaccacaca	420
gccaatatca	tactgaatgg	gcaaaaagctg	gaagcattct	ctttgaaaac	ccagcacgag	480
acaaggatgc	cctctcttac	cactcctatt	caacatagta	ttggaagtgc	tggccagggc	540
aatcaggcaa	aagaaagaaa	taaagggttc	aaataggaag	agagggaagtc	aaattgtctc	600
tgttttacaga	tgacatgatt	ctatatattag	aaaaccctat	tgtcttgccc	aaaatctctc	660
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<210> 2204
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2204						
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taaagggttc	aaataggaag	agaggaagtc	aaattgtctc	tgtttacaga	tgacatgatt	120
ctatatattag	aaaaccctat	tgtcttgccc	aaaatctctc	taagctgata	agcaaattta	180
gcaaaagtctc	agggtacaaa	accaatgtgc	aaaaattaca	agcattccta	tacaccaaca	240
atagacaagc	agagagccga	atcatgaatg	aactctcttt	cacaattgct	acaaagatag	300
taaaatacct	aggaatacaa	cttacaaggg	atgtgaagga	cctcttcaag	gagaacaaca	360
aacaactgct	caaagaaata	agagaggaca	caaacaaatg	gaaaaacatt	ccatgctcat	420
ggatagaaaag	aatcaatatt	gtgaaaattg	ccatactgcc	caaagtaatt	tatagattca	480
atgctgttcc	catcaagcta	ccattgactt	tctttgcaga	attaaaaaaaa	ctactttgaa	540

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tttcatatgg aacctaataaa gaacctgtat agccaagacc taagcaaaaa caacaaagct 600
ggaggcatca cgctccctga catcaaacta tactacaagg ctacagtaag caaaacagca 660
tggtactgct accaaaacag atatatagac caatggacca                700

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<210> 2205
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2205
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catcaaacta tactacaagg ctacagtaag caaaacagca tggtactgct accaaaacag 180
atatatagac caatggacca gaacagagac ctcagaagta acaccacaca tctacaacca 240
tctgatcttt gacaaacctg acaaaagcaa tgggggaaagg attccctatt taataaatga 300
tgctgggaaa actgggctaac catatgcaga aaactgaaac ttcctttatac cttatacaaaa 360
aattaactca agatggatta aagacttaaa tggaaaaccc aaaaccataa aaaccctaga 420
agaaaaacct aggcaatacc attcagaaca taggcatgga caaagacttc atgattaaaa 480
caccaaaagc aatggcaaca aaagccaaaa tagacaaatg ggatctaatt aaactaaaga 540
gcttctgcac agcaaaagaa actatcatca gagtgaacag gcaaccgaca gaatgggaga 600
aaatttttgc agtctaccca tctgacaaag gtctagtatc cagtatctac aagggaactta 660
aacaaattta caagaaaaat caaatgacct cgtgaaaaag                700

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<210> 2206
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2206
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actatcatca gagtgaacag gcaaccgaca gaatgggaga aaatttttgc agtctaccca 120
tctgacaaag gtctagtatc cagtatctac aaggaactta aacaaattta caagaaaaat 180
caaatgaccc cgtgaaaaag tgggcaaagt gtatgaacag aaaatttctca aaaaagacat 240
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<210> 2207
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<212> DNA
<213> Homo sapiens

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 2208

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<210> 2209

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2209

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<210> 2210

<211> 700

<212> DNA

<213> Homo sapiens

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<210> 2211
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 <212> DNA
 <213> Homo sapiens

<400> 2211
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 aatcatgaag tctttgtcca tgcctatgtc ctgaatggta ttgcctagggt tttcttctgg 240
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<210> 2212
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 <213> Homo sapiens

<400> 2212
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<210> 2213
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 <212> DNA
 <213> Homo sapiens

<400> 2213
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<210> 2214
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2214
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<210> 2215
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 <212> DNA
 <213> Homo sapiens

<400> 2215
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<210> 2216
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2216
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<210> 2217
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2217
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<210> 2218
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2218
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<210> 2219
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2219
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<210> 2220
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2220
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<210> 2221

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2221

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<210> 2222

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2222

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<210> 2223

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2223

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agaattcttc cctgacacct aaagtagcca ttccatcact aagtcattct tatgttttat 540
tttttcttca aagcatttat caatatctga aatattcttg attgtttatt cttttactca 600
gtaaaagcga ttaccttgta tgagttgttg actgttatat tgctgacatc tgtgaccctg 660
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<210> 2224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2224

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aaagtagcca ttccatcact aagtcattct tatgttttat tttttcttca aagcatttat 60
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tgagttgttg actgttatat tgctgacatc tgtgaccctg cacatctcaa gcaagtgcag 180
tgggagtggg agttgtgata aagtcaagag tcaggcctga tatagagaat tgtctgtcat 240
taaaaggagg ttttccaacc ttggagagtc agaggaaatg gagactggcc tagctatgtc 300
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aatgaatcaa agtatactga ctgattgctg tatgcctctg tcctaggtgc tatgggaaat 480
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gccatttgaa gagttaaata ataaccacag atttctcaag aaatctagat gtgctgaaag 600
aaggaggggc ttctctccaa ctggatagtt ggggaagggt tccaaaaagg gacaatatta 660
gctacatctt gaagaagtgg ttggaaaaag gaaggatgtg 700

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<210> 2225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2225

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gcccataccta caaggatgct acatctagca ggggatatta gccatttgaa gagttaaata 60
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ctggatagtt ggggaagggt tccaaaaagg gacaatatta gctacatctt gaagaagtgg 180
ttggaaaaag gaaggatgtg gtttgggttg actagagagt gggagtaact gataaagatg 240
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taagcttagg atttgggcct ttacgttgtg gctacaggaa ggtattggaa gcctttgagc 420
caggaagaaa gaattatagt tagaagtgct tcaagaagtt ctattctgca ttaagacaag 480
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tgccctttacc ccactgcct cccccaccc ccaccctctc tcaatgtggg ctactctca 600
cccaggctgg agtgcatggg tgtgatcaca gctcattata gcctcaaact cctgggctca 660
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<210> 2226

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2226

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aaaactccat tgatgcaaga tgtctccttt tgtctttttc tgccctttacc ccatctgcct 60
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tgtgatcaca gctcattata gcctcaaact cctgggctca agcagtcttt cctcctcagc 180
ctcccaagta gttacaacta caggtacatg tcaccatgcc cggttaatta ttaaaagttt 240
tttctttagt agacaaggtc tcactatgtc acccagcctg gtttaaaactc ctggcctcaa 300

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gtgatacctcc tgcctcagcc tcccaaagca ctagtattac attcatgagc cactgctccc 360
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cctggagtga cctctgatta ctaccatccc caaagcagta acaaggtcag catcagacag 480
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tattagagtt ttccaaaggg gaattctgca tcctggatac ctgaaataga gactatgttt 600
ggggataagt agactacttt gatgccttca gtgttgaaact catgggggttc tgggtagcca 660
ggggcattat ccaacatcaa aaaagctttt aaaggcaatc              700

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<210> 2227

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2227

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gcagtctgaa ccctggctag catgtcagat atggcagaga tattagagtt ttccaaaggg 60
gaattctgca tcctggatac ctgaaataga gactatgttt ggggataagt agactacttt 120
gatgccttca gtgttgaaact catgggggttc tgggtagcca ggggcattat ccaacatcaa 180
aaaagctttt aaaggcaatc ccttactcac aagggtacttc ctgacctcag ggacaaagca 240
ttgatggaac caatacagaa aaaggatttt catcatccag gccttcttct acagctgaaa 300
gactggcagc tgggtatacaa ctgttccctg caaggattgg gagttagcag ctttatggat 360
aaggggcaatg ctagtgttg cttctgttcc ttactaataa atatcgtttg tgacactttt 420
tttcagaata gggcattttt gtctgtatta aaaacctgtt gaggcaggta tcctttgtcc 480
tcaattattt tcttaatgat acctgggaac ctatctcctg cctttgggtca gcagaaactg 540
cttctcctat taccttgata tttttaaggc caaacctctt gctaaaatta tcaaaccatc 600
ctttgtctggc attaaatttt tcagcttttag ctcttcacc ttcctatttg tttgtttatt 660
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<210> 2228

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2228

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acctgggaac ctatctcctg cctttgggtca gcagaaactg cttctcctat taccttgata 60
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tcagcttttag ctcccttacc ttcttatttg tttgtttatt tatttaagac agaatctcgc 180
tctgtctccc aggtggaggt gcagtggtgc aatcttggct aactgcaact tccacctccc 240
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caatgccag ctaatttttg tatttttagt agagatgggg tttcaccatg ttggccaggc 360
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ggattacagc catgagccag tgtacctggc ctcttcacct tccttttgggt ttatgtgtc 480
atataatgac tctgcttttt ctcaagtcac agtaggggtct atagttatac ctttcttcta 540
gcaatcctct acccacataa agctgcaatt tcaatatgag ataaaaagat atttcacaaa 600
aaaatgcaag gtttttggac atggtgacat agctgtgggt atggcttcatt aaatttcatt 660
ttctttttta acaatgggtc ttacactaga ttcatattatc              700

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<210> 2229

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2229

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ctcaagtcac agtaggggtct atagttatac ctttcttcta gcaatcctct acccacataa 60
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atggtgacat agctgtgggtg atggcttcat aaatttcatt ttctttttta acaatgggtc 180
ttacactaga ttcatattatc ttgaaatggg ggacacactg cagctgcaga cctcaatgta 240
cagtacatat taatggattc agtttttctt aatgtcatga cttttctttg cttcttggga 300
gcactttcca gcatgggttg aaagttgagg cctctttcaa ctcatcactc tttcttctg 360
ggtccctctc tatggaaaac aggttaagtca aatttcaaaa ctgtgcacta tggttccaac 420

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catagttttcc tttggccact tgccaaagtg ggactttctca ctaatgggag taaaaatgaa 480
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ttcatataac tcagtttcac caatatagca cctttccttg ggcttttctg aaaatatcac 600
ttgtacaaga tttttgtgtg tgagcagatt cgtgagaaga cttgcggtgc caaatgtggt 660
ttatgttgcc atggtgcttg ctcttagctt catctgtcat 700

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<210> 2230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2230

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taggatcaca ctgttctgtc attcggtttg ctagacttgt ttcataatac tcagtttcac 60
caatatagca cctttccttg ggcttttctg aaaatatcac ttgtacaaga tttttgtgtg 120
tgagcagatt cgtgagaaga cttgcggtgc caaatgtggt ttatgttgcc atggtgcttg 180
ctcttagctt catctgtcat gagggttttg tttctcatag tagtgtttct tctaccaaa 240
ttccactaca catcctctcc tacccttttg taaacctgc cccaaacaaa cagagcaatt 300
aatctagaac tgtgttgtcc agtacagtag ccattagcca tataatggcta tttaattaaa 360
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catatttcag gtgttcaata gccacatgtg ctagttagctt ctacattgga cagtgcagat 480
atacaacatt ctgattacca cagaaagtgc tattggataa tgctaatacta gaataatact 540
gccaaattcc agcaggacta tcaaggtaga tgtaagtact ccaaggcaca ttcctatcac 600
gttccttggt gccactatag aaagtataac ttcttcatta ttccagttgc ccatctggta 660
actattagat caggcacacg tgcacatgca cgcacacaca 700

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<210> 2231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2231

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cagaaagtgc tattggataa tgctaatacta gaataatact gccaaattcc agcaggacta 60
tcaaggtaga tgtaagtact ccaaggcaca ttcctatcac gttccctggt gccactatag 120
aaagtataac ttcttcatta ttccagttgc ccatctggta actattagat caggcacacg 180
tgcacatgca cgcacacaca cacacacaga cacacacaca cacacattaa ttcttacaga 240
ctggatattc taaatttaca agaaggagga aaagcatttt cctaattgct ccaaattttt 300
ctctacccat aataaagcga gtaccttaca ttattttgca aagaagtccc tcaatttcaa 360
attgtgcccc cttgggcctg gcataaataa gaaaacaaac ccatttttga agctatctca 420
tttaatgaaa ggtcattcag ctataaaagg atgcaaagaa agtttttctt atctattcct 480
tttaagaccc taattatggt ctacacctatt cccagttcc tgctgagtct ctgaaggtag 540
gagtgggaag tcttgcatgt gaaaggcctt cttaggtgca gtagtatttg ttattttaca 600
ccttaacctc aaaggaagtc cttctttttc ttgggatgga gcacttttagt tctcataact 660
cttctctgaa gtcattgcag agtgggtgga ggaaggtag 700

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<210> 2232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2232

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ctcacctatt cccagttcc tgctgagtct ctgaaggtag gagtgggaag tcttgcatgt 60
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cttctttttc ttgggatgga gcactttagt tctcataact cttctctgaa gtcattgcag 180
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tgcagatgta gcagcagcac gtctagccat cttggcccag gcctctggac catgccttgg 360
gagggtctct cctctgcct tgagttccat tagaacttct ccagtggaaa gagtgagtta 420
ctttgccttg gcctggtggg caggcttttt cctctctgac ttggctaaat gaaatgggat 480
ttaaggtagc tctcctgtg ggtaaaagac attttgctct atgctagaga aaaaggagg 540

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tagtggtttc	atctgccact	actacctatg	gatgtgaaca	gaacctctgc	tcctgatgca	600
gacctctggc	cctttcccag	ctcctattct	gttttgactt	ctgcacaccc	ctttttctga	660
ccctgatact	atcccagatc	attattcttc	ctctagtcct			700

<210> 2233

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2233

ggtaaaagac	attttgctct	atgctagaga	aaaagggagg	tagtggtttc	atctgccact	60
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ctcctattct	gttttgactt	ctgcacaccc	ctttttctga	ccctgatact	atcccagatc	180
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agggacagtc	tctcaaagtc	tgggcagaga	gcctcaggaa	gttgggggtat	ggctgagaga	300
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gatatacagg	agagcagaga	cgtctggagc	taggtcaccg	gtggtcagca	gggcctcctg	600
cagagggagc	agcctccttt	ggcctttgct	tgtctgactt	ctaatagatcc	tgtaaaaatt	660
agttttgttt	tttaagcacc	ccaatgatgc	atgaatacac			700

<210> 2234

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2234

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ggcctttgct	tgtctgactt	ctaatagatcc	tgtaaaaatt	agttttgttt	tttaagcacc	180
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tttaataaaa	aaagaaagt	atttagtctt	aagattgtaa	aactgtaaa	ttaaataaag	300
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attctcagct	aggtgtatat	cctccagac	gtcctttctat	acatttactt	ttccttattg	420
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cgccagttgt	gttagaccct	ggccaggcct	gcttcctcaa	agaccagag	taaacatgaa	600
ctgtaaactc	caaaactgta	caactagttt	ttaaagaaag	attgcccaag	atactggcac	660
aagacttttt	aaggcctagg	atttgcata	tagacctatg			700

<210> 2235

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2235

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ggccaggcct	gcttcctcaa	agaccagag	taaacatgaa	ctgtaaactc	caaaactgta	120
caactagttt	ttaaagaaa	attgcccaag	atactggcac	aagacttttt	aaggcctagg	180
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acttggagga	tgcttttggt	agaaagcaag	aaaggcagtg	gggagctgca	gccccacat	420
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ttttttatta	tacttttaagt	tttagggtag	atgtgcacaa	catgcagggt	agttacatat	540
gtatacatgt	gccatgttgg	tgtgctgcac	ccattaactc	gtcatttaac	attaggtata	600
tctcctaata	ctatccctcc	ccgtccccc	ccaccacaac	agccccagtg	tgtgatgttc	660

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700

<210> 2236

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2236

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ccgctccccc ccaccacaac agccccagtg tgtgatgttc cccttcctgt gaccatgtgt 180
tctcattggt cagttcccac ctatgagtga gaacatacgg tgtttgggtt tttgtccttg 240
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cacantaaac atacgtgtgc atgtgtcttt atagcagnat gatttataat cctttgggta 480
tataccagtg aatgggatgg ctgggtcaaa tgggtatttct agttcnagat ccntgagnaa 540
tcnccacact gnettcacac atggttgaac tantttacan tnccaccaac agtgtaaaan 600
tgttcctatt tcnccacatc cncnccagca cctggtgttt cctnactttt naatnancac 660
nnttnnaact ggtgtgagat ggtatctcat tgtggttttg 700

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<210> 2237

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2237

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atggttgaac tantttacan tnccaccaac agtgtaaaan tgttcctatt tcnccacatc 120
cncnccagca cctggtgttt cctnactttt naatnancac nnttnnaact ggtgtgagat 180
ggtatctcat tgtggttttg atttgcattt ctctgatgcc agtgatgatg agcatttttc 240
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tatgtcctga atggtattgc ctagggtttt ttctagggtt tttatgggtt cagggtctaac 600
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<210> 2238

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2238

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ttgcttttgg tgttttagac atgaagtcct tgcccatgtc tatgtcctga atggtattgc 60
ctagggtttt ttctagggtt tttatgggtt cagggtctaac atgtaagtct ttaatccatc 120
ttgaattaat ttttgataaa ggtgtaagga agggatccag tttcagcttt ctacatatgg 180

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ctagccagtt  ttcccagcac  catttattaa  ataggggaatc  gtttcccat  ttcttgtttt  240
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gttcttccgt  ttgtttgtat  cctcttttat  ttcattgagc  agtggttagt  agttctcctt  660
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<210> 2239

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2239

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cctcttttat  ttcattgagc  agtggttagt  agttctcctt  gaagagggtc  ttcattgtccc  180
ttgtaagttg  gattcctagg  tattttatct  tctttgaagc  aattgtgaat  gggagttcac  240
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gaacttccaa  cactatgttg  aataggagtg  gtgagagagg  gcatccctgt  cttgtgccag  540
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catagatagc  tcttattatt  ttgagatatg  tcccatcaat  acctaattta  ttgagagttt  660
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<210> 2240

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2240

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ttgagatatg  tcccatcaat  acctaattta  ttgagagttt  ttagcatgaa  ggggtgttga  180
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gggatgaagc  ccacttgatc  atggtggata  agctttttga  tgtgctactg  gatttgattt  360
gccagtattt  tattgaggat  ttttgcacgt  atgttcatca  gggatatttg  tctaaaaatt  420
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gagttaggga  ggattccctc  tttttctatt  gattggaata  gtttcagaag  gaatggtacc  540
agctcctcct  tgtacctctg  gtggaattcg  gctgtgaatc  catctgggtc  tggacttttt  600
ttgtttggta  agctattaat  tactgcctca  atttcagagc  ctgttatttg  tctattcaga  660
gattcagctt  cttcctgggt  tagtcttggg  agagtgtatg  700

```

<210> 2241

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2241

```

tttttctatt  gattggaata  gtttcagaag  gaatggtacc  agctcctcct  tgtacctctg  60
gtggaattcg  gctgtgaatc  catctgggtc  tggacttttt  ttgtttggta  agctattaat  120
tactgcctca  atttcagagc  ctgttatttg  tctattcaga  gattcagctt  cttcctgggt  180
tagtcttggg  agagtgtatg  tgtcgaggaa  tttatccatt  tcttcagat  tttctagttt  240
atttgcatag  aggtgtttat  agtattctct  ctcttttttt  tttttttttt  tttttgagac  300

```

```

agagtctcac tctgtcaccg aggctgtaga gcagtgggtgc aatcttggct cattgaaacc 360
tccacctccc aggttcaagc aattcttgtg cctcagcctc tggagtagct gagattacag 420
gcacacactc ccatgcccg ataatTTTTT tttttttttt tttttttaag tagagatggg 480
gtttcaccat gttggccagg ctgatctcga actcctgata tcaagtgtat tgctgtctc 540
ccaaagtgtc gggattacaa gcatgagcca ctgcgcctgg ccggtttctg gtataattct 600
tgatcttatt aaggatgctt cctagtagtc ctagtagaca aagaattttt ctcataaacg 660
gatgtttctg ttgagatgat catctttaga ttaaccaatt 700

```

<210> 2242

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2242

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ctgatctcga actcctgata tcaagtgtat tgctgtctc ccaaagtgtc gggattacaa 60
gcatgagcca ctgcgcctgg ccggtttctg gtataattct tgatcttatt aaggatgctt 120
cctagtagtc ctagtagaca aagaattttt ctcataaacg gatgtttctg ttgagatgat 180
catctttaga ttaaccaatt attgtggaga agtacattgg tagattttcc ataatacaat 240
ttgcattcct gggaatgacc ctgcttgata atgactgttt attcttttaa ttcaatttgg 300
taatgtctta ttctactga gttctacctc agtaaaaatt ttcacaaaaa ctgtgcctag 360
cctccaggct ggggtggcatg ttcttctct atgcaccgag agcaccatgt ctgtcttttt 420
ctaatactc tctagttttg tacttacaat ctggtattat aattacatgt ctccctcagt 480
ggaatatgcc attgttgaga gacagacttt tgtcttcttc ctaattgtat cctcagtgcc 540
cagataaggc ctgatttaaa gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc 600
ttaccattcc cctgacaggg acaagtgcc agtccccata ctagtttagc tttgtgcgca 660
gagccctggc cttgttggtc cagcttatca tgcagacaag 700

```

<210> 2243

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2243

```

gacagacttt tgtcttcttc ctaattgtat cctcagtgcc cagataaggc ctgatttaaa 60
gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc ttaccattcc cctgacaggg 120
acaagtgcc agtccccata ctagtttagc tttgtgcgca gagccctggc cttgttggtc 180
cagcttatca tgcagacaa agccatgtca atactggtgg accccgcttg ctgtgggagc 240
tgagagacca gatatgtcga cagctccttc tcagttacac ctaagctgcc tgtggggagc 300
tcaggactct gcatgcgcct ccacatcttc aggccgaaga ttctccatca cttccaagaa 360
agcacgtcga aatgtgaaag cagataaatc attagcacc cttgtctggg cttgttactg 420
ttcaacaggg gttctctttc tgggaacct agatacttca tgtgtacctt agcagcagct 480
aatgggggtg gatggaagtg gtcaccaggc attccagtca cccagggatg cctaggtccc 540
tttaccagga agcagcgaga gaggcataat ggacacaact ctgtctttct tatagaagac 600
acctgtttca ggccaggcct ttatcttgct gaagctgacc ccactgaagg gtcattgtgc 660
tttggttaga aaaccactgc aaccaaagcc atccagtgc 700

```

<210> 2244

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2244

```

gtcaccaggc attccagtca cccagggatg cctaggtccc tttaccagga agcagcgaga 60
gaggcataat ggacacaact ctgtctttct tatagaagac acctgtttca ggccaggcct 120

```

```

ttatcttgc  gaagctgacc  ccactgaagg  gtcattgtgc  tttgggttaga  aaaccactgc  180
aaccaaaagcc  atccagtgac  aaagtagtgg  gatccctcat  actggagcag  gcagacacct  240
actgtcccag  tagtctcatg  tcagaaacaa  cactcaacat  acattgtctt  ttgtgcccag  300
cttgggagct  ggtctgtgag  gactgaggga  tcccaggtag  cttgagttct  tgtaaccata  360
cagtggatgg  acacagacac  agcaccatcc  tagggctggc  agatactcca  tgctcatcgg  420
tgccagcctg  ctcatcaaca  gaatcaccca  cctccattct  gtcaccacc  aggtatttac  480
tgagactctt  ctacatgaca  tgtgccattg  agggtagtgg  gagaatagca  gcagacntat  540
aatacaaaaag  cccctgccct  tgaggggggc  tacctggttt  ccaggtgcac  cccagtttta  600
tctcatgggt  taggtggcac  tatttatgac  tcaccaagtt  tgtgacagat  gatcagtgtc  660
ttccttctgt  ggctgcagtt  tatctgtgca  cagatgctgg  700

```

<210> 2245

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2245

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tgtgccattg  agggtagtgg  gagaatagca  gcagacntat  aatacaaaaag  cccctgccct  60
tgaggggggc  tacctggttt  ccaggtgcac  cccagtttta  tctcatgggt  taggtggcac  120
tatttatgac  tcaccaagtt  tgtgacagat  gatcagtgtc  ttccttctgt  ggctgcagtt  180
tatctgtgca  cagatgctgg  catccttcaa  tccaggctct  aggtttgggt  cagggttag  240
cttgaggcag  taggaagaac  agagctctct  ggatggttta  ggcaagcttg  tccaacctat  300
gactcacagg  ctgtatacta  cccatgacag  ctttgaatgt  gaccaacat  aaattggtaa  360
actttcctaa  aacattatga  gattttttgc  tttctttttt  tttttttttt  tttttttttg  420
ctcatcagct  attgttagtg  ttagtgaatt  ttatgtgtgg  cccaagacaa  ttcttcttcc  480
aaagtggccc  agggaaacca  aaagattgga  catctctggg  ttagagattc  agttggtttc  540
ttcaacttca  gttcttggtg  tacagggatg  gcctctgact  tgctccacat  cctcaatccg  600
gccaccacct  ggttttctgc  acacaggaaa  cacttggcaa  tgttggctga  aacaatgagt  660
gagagccaag  tgccaagtgc  tgggctaacc  tcgctcacag  700

```

<210> 2246

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2246

```

aaagattgga  catctctggt  ttagagattc  agttggtttc  ttcaacttca  gttcttggtg  60
tacagggatg  gcctctgact  tgctccacat  cctcaatccg  gccaccacct  ggttttctgc  120
acacaggaaa  cacttggcaa  tgttggtgta  aacaatgagt  gagagccaag  tgccaagtgc  180
tgggctaacc  tcgctcacag  ccaattaggg  ataaagtaac  cagggtgta  agagaagtgg  240
aaacagagat  gcagatgctc  caaggaggcc  agacacttgc  cctcctctct  tggtagtcc  300
tgtgctcaga  aggggcacaa  cggagacgtg  cttgggctgt  ccatacggca  gtctctctgc  360
ggcagtggag  aaagctctgg  tctgtgtgta  tagtgtgcat  gcaggggagt  gtgcatatgt  420
gtgtatatatt  gcctacatgc  acatgcatgt  tcacattggc  tctgggtccc  acaacaacac  480
cattataggg  ccctgcttag  ccatcctttc  tgcagtgggg  gggggggagg  ggaaaggggt  540
tcctgactgc  tgtgtcactt  ttggatagtc  actgtttttt  gtgtgcagca  ctctacctc  600
acctaccca  cccctagagg  caggcagggt  gatgactgaa  gcatcaggcc  tgtggtttct  660
gtaacaggaa  gtgatttaga  tgctgaaagc  taattttaga  700

```

<210> 2247

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2247
 ccacccctttc tgcagtgagg gggggggagg ggaaaggggt tcctgactgc tgtgtcactt 60
 ttggatagtc actgtttttt gtgtgcagca ctccacctc acctaccca cccctagagg 120
 caggcagggt gatgactgaa gcatcaggcc tgtggtttct gtaacaggaa gtgatttaga 180
 tgctgaaagc taatttttaga tgaaatgata tgggggtttt aaagaatctt tcagggttgg 240
 tttcaggctc aaggcttagc cccctgctcc tcttgccctac aggggacagg cagtttcca 300
 ttgtccttgt cactgtctng ctgggtgaac tcatgcctag ctgggcaggg ttcttaggta 360
 gaaagccagt gctgattttt cctggatttc agaattgtta agtcattgtt tttggccttg 420
 aacaccagag tcctgtgact cagcacaggc ctggctctag gccaaagcaga cacaggacct 480
 cttatccctg gaangggact gcctggaggc tccaaggat cttgttagga cagagatgtc 540
 caccctcacc caggctgagg cctgggccag aggtcagatg aggtctctgg gccaaaaaaa 600
 gtatcatctt ggggtggcaga cacttaggtg gggcctcttc tcccagttag ccctgtcctg 660
 agcctcttag caggggcggc tttctgacct aggtgccaca 700

<210> 2248
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2248
 gcctggaggc tccaaggat cttgttagga cagagatgtc caccctcacc caggctgagg 60
 cctgggccag aggtcagatg aggtctctgg gccaaaaaaa gtatcatctt ggggtggcaga 120
 cacttaggtg gggcctcttc tcccagttag cctgtcctg agcctcttag caggggcggc 180
 tttctgacct aggtgccaca ctaaggatcc catcctgatt gagccctgta gattgggact 240
 cctgatagca gcagacacaa aagaaactga ggagtaggca cagaactctg agagtccctg 300
 cctcctggtg tcgggggtccc actggttggg gaccttggag cctcatggtt tctgtctctg 360
 ccaaggcctg agcacaggaa atagaagggt gggcctccct ggtcacctct gcaagggtct 420
 tcaaagccca ttttaatctg ttgtccatt ccttaggtct tccacagcac ccctatacca 480
 gagaatgctg ctcccattat cagagaagca gccaaatatc agcatgctaa gagagatgtc 540
 ccagggttac atagcttcac tcaggcagca ttggagccag ccaggccagg agcttacct 600
 gtcccatact accgatggga tgcccagcat tcagggaaaa gagctcactc tgcatatctc 660
 atctagacag cagccagcct catgaacccc taccacaaac 700

<210> 2249
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2249
 cagagaagca gccaaatatc agcatgctaa gagagatgtc ccagggttac atagcttcac 60
 tcaggcagca ttggagccag ccaggccagg agcttacct gtcccatact accgatggga 120
 tgcccagcat tcagggaaaa gagctcactc tgcatatctc atctagacag cagccagcct 180
 catgaacccc taccacaaac ctgggacctc tggaaagcca agtataagtc tctgccagtt 240
 cttagtccac ccttgttctg ctttgtggtg aggtatagct tgggagatga ggcgaggcct 300
 ataggtcttg gttggtacac aagaagaaac acttctgcct agagaggctg tcgacagaca 360
 tttccaggga cacacagcag acagccttca tggccttcat gaccagtggg tcccttgtgg 420
 aagacaagta ggacaggaca gatgatttag ccagagccaa aactgagctc aaaccgcaga 480
 agaggagagc attctcaca aagctccagt gtttgacgca caatgacgga ggtagatggg 540
 gtgagctaag cccgtgtttt agagttccat agaaggtgtc tttgacctat tttcaagggc 600
 tgtggtggta ggaggaattt ttggccacat cataaagagt tttgtggcca cctctgatat 660
 acctagctca ggaagttgta attttccatg attaggttat 700

<210> 2250
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2250
 aagctccagt gtttgcagca caatgacgga ggtagatggt gtgagctaag ccctgttttg 60
 agagttccat agaaggtgtc tttgacctat tttcaagggc tgtggtggta ggaggaattt 120
 ttggccacat cataaagagt tttgtggcca cctctgatat acctagctca ggaagttgta 180
 attttccatg attaggttat tagtcaccaa agtgattgct gccccagac cctggccctt 240
 gtgctgcagg aggctgacag agatgcccct ccagcactgc agccctgcct cccagctgc 300
 aggccagaag ccaaggaggc cctgagtact gatgttgggc cctctgggtg cttcccttgt 360
 ttgtggaacc ccacagcccc attccaactt cttgagcact ttgcctacct caggagattt 420
 aactggggca agaaatcctg taagatctca acaaacggac gtgggtagaa tagctcccag 480
 aaaatctact caagggaaga cccatgtact ccaagggtatc aataatggtg agggactcag 540
 tctgtaactt tctaggacag tttcatttca ttttaaaaat ttaagatgaa agaatttatt 600
 aatggaagta gttcatgaag cactttcagg aaaccacaca ggactcagag ctccttgctt 660
 ttagaaagac aggactgtgt cagcctgtgt ggcattcaca 700

<210> 2251
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2251
 cccatgtact ccaagggtatc aataatggtg agggactcag tctgtaactt tctaggacag 60
 tttcatttca ttttaaaaat ttaagatgaa agaatttatt aatggaagta gttcatgaag 120
 cactttcagg aaaccacaca ggactcagag ctccttgctt ttagaaagac aggactgtgt 180
 cagcctgtgt ggcattcaca cctggattcc caggggtggc ttcctttaga aagggagaat 240
 tagttgcagc ccatctctct gtgggaatct cacctggtga gccccttctc ccaaactcct 300
 agagtgtctc accccagctc ctgggctcga ctgggtgcctc tgaggagcgt acctgctgtt 360
 ggaattggcg gagecgtgcc aggctgagga gcgaggagag cctgcccctg ggccctgcc 420
 ccaaagccat gggggcagtc gcatgctttg cttgtcagtt ggtggcattt aggtggcatt 480
 aggaatggtt gttgtttcta attatttgtt tgtttgtttg tttatttgaa agtaatccct 540
 ctttttccaa aggcctgcat gctgccttga ttctggagga gccagggatt ggcccaatga 600
 cccaaatgtt tggaagtctt taagggccct tttcatgccc gtgaagtcac agaagtaggt 660
 aatcaccac ctaccctccc caggtaccgc atatngatgt 700

<210> 2252
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2252
 attatttgtt tgtttgtttg tttatttgaa agtaatccct ctttttccaa aggcctgcat 60
 gctgccttga ttctggagga gccagggatt ggcccaatga cccaaatgtt tggaagtctt 120
 taagggccct tttcatgccc gtgaagtcac agaagtaggt aatcaccac ctaccctccc 180
 caggtaccgc atatngatgt gggctcagag gggctgagaa ataactcagc ctcaaagcct 240
 tagaccgtct tctcagggtn taaccgtcat ctcaggatag acaattcagg aagaggatgc 300
 cttgccacac atgaggangt gggagtggca aatgagcagg cgttgcattc agggcagggt 360
 tagaggaagg tttggcagg tgaatgatgt ttgcgtacaa actacagaca agaaattgag 420

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aggacaactg ggtataggtg aggtgactac tctgccctca gaaaagtgga agtctgagtt 480
catgggggaa tgcctcttaa ataacacaga tgggcaaact ccagacatta gtgaaacctt 540
cttcgtaga cattcttttc aggggtttct catacttccc caatcacctt aatcatcagt 600
gctgaccaca actgatacct ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt 660
gtgttgaatc cagctgaaga tgcagggtgca gctggaggaa 700

```

<210> 2253

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2253

```

ataacacaga tgggcaaact ccagacatta gtgaaacctt cttcgtaga cattcttttc 60
aggggtttct catacttccc caatcacctt aatcatcagt gctgaccaca actgatacct 120
ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt gtgttgaatc cagctgaaga 180
tgcagggtgca gctggaggaa ggactagccc tgaatgggca ccaaccccaa aagaatccac 240
tgactgtcac ttaggcaaaa gttccgcagt cacattgctt ttggatcctc cgcctcactc 300
ttcctgagag gtatttggtg caaatagccg gacctctgga gtgggagaca cctgactcca 360
gttcctgcca cttcctcctt cctgctagtt gccagacctt ggacagtttg gtaactttga 420
atgtgccccct gtcaaattna ttcatttact catgcactca ctcaactcatt cactcaacat 480
aaattcctga gtagcttcca tgtgccagggt actagtttag gtacttggga gtgatcagta 540
gaggaaatag gtaagtgttc cgccttcaga aatgtgtatc atggcatggg aggtacaaaa 600
taagcaacaa agctgttaac aagttagaaa gtggtaagtg ctatgggaaa aaacagagca 660
agataagcag tgcttggagt ggtggtagaa ggggctgcaa 700

```

<210> 2254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2254

```

tgtgccagggt actagtttag gtacttggga gtgatcagta gaggaaatag gtaagtgttc 60
cgccttcaga aatgtgtatc atggcatggg aggtacaaaa taagcaacaa agctgttaac 120
aagttagaaa gtggttaagt ctatgggaaa aaacagagca agataagcag tgcttggagt 180
ggtggttagaa ggggctgcaa tcttaaacag tatggacatg gcagatctct gagaaaataa 240
catctgagca aagacttgaa ggtgttgaag gcgttagccc cttttaggca cagggaagag 300
ccagcgcaaa ggctctgagg ctggtgtggt caaggagcaa catggaggga agtgtggctg 360
gagcagaatg agtgagcaga gagggtcaca ggggaaaaga aagtgatgga aagataaagg 420
ggaagatgat gcggaccttg caggccactg tgggaactat ggcttttctg tggtaaaaca 480
cagaactcca agagggtttt gaacagaggg ctatgatctg actagagcat aacaggatca 540
ctctggctgc tgagttgaga atagattata gagcagggaa caggtagaag cagggaattt 600
agctaggctt ccaactgaagt atattctaga agataatagt ggctggaatc atcatggatt 660
cagtggaagt ggggagaaat gagaaatggt ggattctgga 700

```

<210> 2255

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2255

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gaacagaggg ctatgatctg actagagcat aacaggatca ctctggctgc tgagttgaga 60
atagattata gagcagggaa caggtagaag cagggaattt agctaggctt ccaactgaagt 120
atattctaga agataatagt ggctggaatc atcatggatt cagtggaagt ggggagaaat 180
gagaaatggt ggattctgga cctgttttgg aagaagaatc atcagcattt gctgatggct 240

```

```

tagatgttga gtatgagaga gagatcagag ttaaggatga ctccaagggt ttttctctga 300
gcagctggaa agaaggattt gacctcaact gagacaagaa gactatatgt ggggcaggca 360
tgaaggggaa gattaggagt tcacttttagc acacataaaa tgggataatt atacttcaca 420
ggctgtagtg aggggttaaat atgataatat atgaaagggtc ttagtactag caagctctta 480
gtaaatgtca ctttcccttt ttctttctca aagagggtggt gaagcatgaa cagctgggggt 540
cccaaacca atttgactaa ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag 600
acagcctcct ccctgtgggt ttctcactct tcaggaaact ttcactgttg ctaacagggt 660
ctttagattt gtcaaagggt tctcgggtgat gttgacacac 700

```

<210> 2256

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2256

```

ttctttctca aagagggtggt gaagcatgaa cagctgggggt ccccaaacca atttgactaa 60
ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag acagcctcct ccctgtgggt 120
ttctcactct tcaggaaact ttcactgttg ctaacagggt ctttagattt gtcaaagggt 180
tctcgggtgat gttgacacac tgatgtgatg atgagtttct gcacagggg cactgtggcg 240
cccagacagc ctccatctat gtgctcaccg ttcccatatc agtcactctg ctggtgtcac 300
atgagcaaga ggcattgatct cttcagcaga acagtttggt tctacagaca cacaccgaca 360
tccatatacac tcttgtccc cccaccccca gggtgttatg ggactgttga aaaattactt 420
acctgtgagg taggtactat tattccatt ttatagatga agaacaagg ttccagagagg 480
cttggtatat gaattaagt aatgagtata tgcaaaaatg cttagtacca ctgtgcctag 540
aacttagtaa atgcttgaga aagggttaacc attgttaata aatgttaatc attgtcagta 600
gttcaagaaa ggaaggattt tctccaaaac tacacttttg ttataaaaga cagtaggctg 660
acttaacatt aggtcacacac tttatcttag ctatttgaat 700

```

<210> 2257

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2257

```

aatgagtata tgcaaaaatg cttagtacca ctgtgcctag aacttagtaa atgcttgaga 60
aagggttaacc attgttaata aatgttaatc attgtcagta gttcaagaaa ggaaggattt 120
tctccaaaac tacacttttg ttataaaaga cagtaggctg acttaacatt aggtcacacac 180
tttatcttag ctatttgaat catttgattc tgaataatat tgttggcatg tggcacatta 240
caatttttaa atgaacaaaa caaaaaagggt tatagtctgt atagtagaag cattttcata 300
cagggaataa ttggatatac ttgactttat ggatgagaaa atccagggtac ctggaaggat 360
gctacccaag ggccatcttt ggatatggga tgctctttac ttgtttgaat ttttaacagt 420
aaacttaaat cattcttagg acaatagggt agtttgtaaa gatgtctctg aaatgtccgg 480
taagatttgt gtggtacctg tgtgattaac tgttttcagt ggttacattg ctttatctga 540
ggggccacct gactgtgctg acaccatgat ggacagccca agtcagggtg catgagatag 600
tgaggcctag caaaacagat tccctagaag tgccaaaact tccctcttca gctgagggtg 660
gtgactgctc agacccagag ccgtgcacat gcttagtcat 700

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<210> 2258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2258

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tgtgattaac tgttttcagt ggttacattg ctttatctga ggggccacct gactgtgctg 60
acaccatgat ggacagccca agtcagggtg catgagatag tgaggcctag caaaacagat 120
tccttagaag tgcccaaact tccctcttca gctgagggtg gtgactgctc agacccagag 180
ccgtgcacat gcttagtcat ttgatcactg tctgagaaag ccttctctct gggtagaaac 240
gtaagaacaa cttgagggtt gtagtatccc tctcaagctt gtccaatcca cggcctgtgg 300
gccacatgcg gccagggaca gctttgaatg tggcccaaca caaattcata aactttctta 360

```



```

aaatattatg agactttttt cttttaagct catcagctat cattagtgt ttttatgtgt 420
ggcccaagac aattcttctt ccattggggc ctggggaagc caaaagattg gacacccctg 480
ctctatacac tgggttggtg tgagtgaggg ctcaggtaaa catgagacat ctttgacagc 540
ttcaggataa caaaatctct aggtccagaa gttctacttg caggcctcct gtagaactgg 600
catatatgag aacaggaatc tcatctttat tctgtttaaa tcctggagat ttgattcatg 660
gcacctgcca gtgtggacat ttgcatgtga atctcagata 700

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<210> 2259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2259

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tgagtgaggg ctcaggtaaa catgagacat ctttgacagc ttcaggataa caaaatctct 60
aggtccagaa gttctacttg caggcctcct gtagaactgg catatatgag aacaggaatc 120
tcatctttat tctgtttaaa tcctggagat ttgattcatg gcacctgcca gtgtggacat 180
ttgcatgtga atctcagata cactggcttc attagcctgt aaaacagttc aagagacagg 240
ccaagttccc aaatgggtct tcaagaaagc tataaaattg tgcagaagca aaacatttga 300
gtacctgcct ttcagccatg atgttttcta tattggaagc ctagtatcat cctgattcaa 360
cattttcctg ggctcattct tagagtccag ggcagcccag tttgaaaatg gcataattct 420
catactctct gaccattggg gtcccactac cgggtaccaa actgtgaggg ggtatattac 480
tggatgtgtc acagacatcc accctgcccc acaccactga gatttgctga ttggagtgc 540
tttaatggat aatttctgcc ccaacactga atgtcacac aaggcccttg actcttcct 600
ggatttccca tttatgcttc aattgtcctt gcttccattt ctgccccctt caccttgcca 660
tccccagccc tctgctttga tatctttgtg gcttggtatgc 700

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<210> 2260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2260

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accctgcccc acaccactga gatttgctga ttggagtgc tttaatggat aatttctgcc 60
ccaacactga atgtcacac aaggcccttg actcttcctt ggtattccca tttatgcttc 120
aattgtcctt gcttccattt ctgccccctt caccttgcca tccccagccc tctgctttga 180
tatctttgtg gcttggtatg tgagtggaga ggagagctct ctttggtggt gagcaggaga 240
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gctctaccac taccactggt caaacattgc tctctgctct ccccatggcc aggagctcaa 360
aagctgctac agaccaggag gattccagct tggacacctt atgaccaatg agctacaact 420
tcagtgggca tcatctgggc atcagcttgg attatgacca ggtcaagttg ctgagtgcc 480
ggcagtcaac aagcaactgc tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc 540
aagagcacca ggttgaaggg cacttgctgc atgtcaagtt cagttctttt tatgattaga 600
gtcagagttc cctgcaagtg agaacagagc ccagctagac ctggccccag ggctcccttg 660
ctgtctgttc cctcttcctt ctggatactt ctggccctgt 700

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<210> 2261

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2261

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tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc aagagcacca ggttgaaggg 60
cacttgctgc atgtcaagtt cagttctttt tatgattaga gtcagagttc cctgcaagtg 120
agaacagagc ccagctagac ctggccccag ggctcccttg ctgtctgttc cctcttcctt 180

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ctggatactt ctggccctgt cccagggcat ttgacagggg cctccaagta cctaggccaa 240
ctgaggagca gaggtagagg tgttgaaaag cctccacctg ccaagacctt gagcactgaa 300
cccaggcagc ctccctgtgcc ccagcctctg tcctctattc ctttgtgagc ctttctttga 360
ccacttctcc ccctttttac cctcactctc cagtccaggc catcaactct ggcgaaagcaa 420
atataaaaaac cttctcactg atcccccttac tgacttttgg ccagcacagt agcctgaggg 480
atccttttaa aacataaaatc cagctccttc ttgtcagtca ggtctcagcc aaatgtcacc 540
ttctcagaaa ggctcccatt gaccatctan aatcttccat gccatcatca catattctat 600
ttattttatt tttattttta aaatagggtt aaagggcaca agtgtgggtt tgttacatgg 660
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<210> 2262

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2262

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cagctccttc ttgtcagtca ggtctcagcc aaatgtcacc ttctcagaaa ggctcccatt 60
gaccatctan aatcttccat gccatcatca catattctat ttattttatt tttattttta 120
aaatagggtt aaagggcaca agtgtgggtt tgttacatgg atatattatg tagtggtgaa 180
gtctgggctt tcagtgtagc catcacctga atagtgaaca tcgtacccaa taggtaattt 240
ttcaaccctc actccctccc atcttttgaa gtctccaatg cctgttattc cactctgtat 300
tttattttat tatctccact gacattatct tgagcattct tttgtttact gctttactgt 360
cttctttact acctgtgaag catcaagagg gcagacaatt tgtcccgcat ngccctaattg 420
cccaggacag tgccgtgataa catggtaaatt tggactcaa aaagtattta ttgaatgaat 480
gaatgaatga atgaatgaat nnnnccattc ttaagaagag ctcacattgc cagtcactgg 540
gctgtcaagc agtcctcagg ctgacttgag tgctgagtgg agaggagagc ctctccttgt 600
ggcgagcaag gcatgagcct gccataaacc caggagttac ggggcaaggc ctcttggcct 660
agtggatgcc agccagtagg ccacgggtct ctttaaaagc 700

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<210> 2263

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2263

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nnnnccattc ttaagaagag ctcacattgc cagtcactgg gctgtcaagc agtcctcagg 60
ctgacttgag tgctgagtgg agaggagagc ctctccttgt ggcgagcaag gcatgagcct 120
gccataaacc caggagttac ggggcaaggc ctcttggcct agtggatgcc agccagtagg 180
ccacgggtct ctttaaaagc aacaggaagc caagtcctgg agataagaag tgtggctgcc 240
agcgtgatag aggtgggaag agggctgaag ggtggagagg tgggggctgc cgggcacctc 300
tgtgctgctc cctggggatg cccagacctc tgtggctggc tggccagcac cacatgcttc 360
ctgtggagag caaggagagg agatcccctc caaaggccct ggagctggga ctgcccagc 420
agcctcacc ttgtcctcac tgtggtggtt aagacgcagg gctactgtcc cacttctctg 480
ccattcatgg acactagggc agctgccata gggcaagtgt catatccatg tgctctctgc 540
acctggctcc ctgtgcttct ctgtgtttta gactcttcat tgggtacaatg gattcctcca 600
cactggtgat tgtgaagagt ctgggaagtc tgggaggaac tggggactgg gggctagagt 660
ctcaaggagg agtgaggggtc tggagggctg agataactaga 700

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<210> 2264

<211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2264
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 ctgggaagtc tgggaggaac tggggactgg gggctagagt ctcaaggagg agtgagggtc 180
 tggagggtctg agatactaga tatgagaggc agcccgggtg tggtaggatgg gctggcaggg 240
 gctagctagc atttgatgc aacataacaa agacctggca tccctttcag tgtctcatcc 300
 cggctgggtt atgccaagta gcaggaagag tgatgaaagg gcacctgagg agactcagag 360
 actttggttt aagtgttgta tctgccactg tctggcagac aagtcgtttc tctgctcaca 420
 gcttcagtga tgcgtctgtg aaacgggtca tgttctctct ctcacatgat cgtggtgagc 480
 attaaggaaa ttatgtaaat catttcagtg actcttcagg cttcngctcc ccattcctgc 540
 tgggggtcatc tcctaggata gtgaggatgt ctgtggacac aaactaagga agccagaaaa 600
 ccgctgtcct gactcagtgt cttgccccac cctggcctct ggcccagatt ctggaggcct 660
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<210> 2265
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2265
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 gtgaggatgt ctgtggacac aaactaagga agccagaaaa ccgctgtcct gactcagtgt 120
 cttgccccac cctggcctct ggcccagatt ctggaggcct tagtcagggg gtgggggtct 180
 gtttggccag agctgggggt tccctataga tcctgtggga cagaacaagt gcagcccact 240
 ggaaagccct tgaaacagtt ggatgtcacc ctgtctgaga ggagcttaaa gctgccagaa 300
 cggactgggtg gactgggttg atccgcccc ttgggaaat ccaggcatga gctgtcacct 360
 ggacctgagt acagttcctg tccatcctgc actagcgagg ccattgggga tgctcagaag 420
 gggaggcgtc gcgtgaaacc tgcttaatat acagcctgtc caaagggtccc agccccagc 480
 cacctgaact gccaggactg ttccatttcc ctatcctcca caggcctgcc ccgaggcccc 540
 tgncaacaaa tgtcacttcc ccacaccaac ctgcttctcc caggattggg attttctgac 600
 ttctatgttt ttcatggctt ctttgatgcc accgtcctg tttctctttc tcctctgtga 660
 ccagttctta caagcctctt acacagctgc ctctctctct 700

<210> 2266
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2266
 ttccatttcc ctatcctcca caggcctgcc ccgaggcccc tgncaacaaa tgtcacttcc 60

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ccacaccaac ctgcttcctc caggattggt attttctgac ttctatgttt ttcattggctt 120
ctttgatgcc accgctcctg tttctctttc tcctctgtga ccagtcttta caagcctctt 180
acacagctgc ctctctctct gcccatcttc taggtttcca agttccttgg ggcttgggtac 240
ttctctcttt ggctacccta caggctctcaa acttgcggtc taaaggccaa atcaagggtct 300
gcaccctcca acaagggtcc ctaccttttc ttaacctgcc accctacaaa caacacttca 360
gactagtggg gttcccagac atgtttctgc atgccccctc ttggggagaa actccacgat 420
tatggagcca tcctaaatgc gagctactag gtccagattt ctttgatcta gcttcagcct 480
atccccacca cacctcttac cagatcacct ggcttgggtg aagggtcttc ttttaaggcat 540
cccatcacia gcatgttttt ctctgcccc ttgccacctg gcaaacgact cctcctcttt 600
tcatagactg accaagaaac tatagccgcc ccaaccaga tgatactgat tctgctcact 660
actgctaggg acaaaagctg cctgacagggt gtctctgata 700

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<210> 2267

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2267

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cagatcacct ggcttgggtg aagggtcttc ttttaaggcat cccatcacia gcatgttttt 60
ctctgcccc ttgccacctg gcaaacgact cctcctcttt tcatagactg accaagaaac 120
tatagccgcc ccaaccaga tgatactgat tctgctcact actgctaggg acaaaagctg 180
cctgacagggt gtctctgata cctggtgggt gagatacagt gagtactcaa tattagatgg 240
ggagagggac cctgtagcca tttctctctga ggagttgagt acctgagaat ggcagagtga 300
ggctcttccc tgggcttatg tgtcacaata ggaaagcaac agaatcccag ttgccagggg 360
tgtgggggga agcgtgggtt gtaagcatca ggctctgacc catctgcccc gggacaagat 420
ttgtacaggc tttttaagggt ggtcttgtgg atgctgtgat acacagctca gacccccctg 480
ccccatcccc tttatgaatg aaagatttat ttcaccagct ggtgggagag ctgccagaag 540
acagccccag ctgtcagccc tattttggac tactgctaaa aaataattgc cttgtgtaag 600
gtcacaccta cttctgtagg gagcccacgt ctaccaactg ataaatatga aggtataaag 660
gcttggctcc ctctccttct tgggaaaact ctgaaggatc 700

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<210> 2268

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2268

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aaagatttat ttcaccagct ggtgggagag ctgccagaag acagccccag ctgtcagccc 60
tattttggac tactgctaaa aaataattgc cttgtgtaag gtcacaccta cttctgtagg 120
gagcccacgt ctaccaactg ataaatatga aggtataaag gcttggctcc ctctccttct 180
tgggaaaact ctgaaggatc atcacagatg agcactcctg gtctcagctg gaacctcggc 240
tggaattgca tagtagctcc acttctcctt ttgcctagtc ctgtttcagt cctcatttcc 300
actgatgttg accccaagat cttttcctaa taaaggctct acatgctcat atcctactca 360
gtctgtttcc tatagaacct aatctatggc atctggcttt aggagtgaca gaaaaaaat 420
gagatgctaa gatatgattt tggagctgga tcatccactg ttggctgcca atgaggactc 480
ccatcacagg tggcagggtga agcagacagc ttttgcccca tggtaataat tgttaaaact 540
tttacctatg ttggaagaga atgcattaga tgggtgcagt cctcagggtg ttgagaaata 600
tgggggaatt agccactgca aggacaatgg aattgctaag cttgactaac tttcagtaaa 660
agaaaatgga gagcttagag tgattaattg gcaatgaaaa 700

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<210> 2269

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2269

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agcagacagc ttttggccca tggtaataat tgttaaaact tttacctatg ttggaagaga 60
atgcattaga tgggtgcagt cctcagggtg ttgagaaata tgggggaatt agccactgca 120
aggacaatgg aattgctaag cttgactaac tttcagtaaa agaaaatgga gagcttagag 180

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tgattaattg	gcaatgaaaa	cataagcatg	aaagccgtag	gcctcttttg	tgcattctata	240
gaaaagaaga	aaaagcagag	aatcagaccc	agacttctgt	caaagtagtt	aagcttcaaa	300
gaagggttata	ttcccaacca	aggcaggtct	tctatgccaa	gggcagagcc	ctgggtgggg	360
aagaatgaga	ccctgacacg	tgggatgagg	acctctgttg	cacctgaata	tcttgaatcc	420
tcagatttca	ctaaacactc	tggacctgca	gaagtgaacct	actcatctct	gttaaaagct	480
agaacttgct	tcttacttta	aaaagaaaaat	gcggagggtt	ctgtcctgca	agacatgctc	540
tcattccatg	ttacctcttt	gtgctaggcc	aataactagg	gttaagtcaa	aacctaacct	600
ggccagacat	gctgaacttg	ctagtgtaga	aaaggactat	acctcaaagg	aaattctggt	660
catatccaga	gagtactagc	aggagcttgg	agagtatgca			700

<210> 2270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2270

aaaagaaaaat	gcggagggtt	ctgtcctgca	agacatgctc	tcattccatg	ttacctcttt	60
gtgctaggcc	aataactagg	gttaagtcaa	aacctaacct	ggccagacat	gctgaacttg	120
ctagtgtaga	aaaggactat	acctcaaagg	aaattctggt	catatccaga	gagtactagc	180
aggagcttgg	agagtatgca	caggactgga	ttctggacca	agggggtgga	acagaaattt	240
gaacaaaaga	gtttatggat	atgggaacat	tcttccagga	taaagtattt	aaaactgtgg	300
caaggcccca	agagatgggtg	caaatacatc	gtttggatgg	ctcctagaag	catggaaaga	360
ggatggccca	tattaagtga	gggtagccag	aatggctatg	gcagactatg	aaggacgtgg	420
gtgtgcagga	ataaatatac	taagcaaat	cagaatactc	gcctgagggc	caagaagata	480
ccaaaacaag	aaatgtattg	gaaagaaggg	caccagtatc	accaagaact	aaaatgggtg	540
ctaaaatagg	ccagcattga	taggaaatgt	cacagaactg	ggctcactga	tagcagtagg	600
ggtgatagga	ctctgagata	atagaggcca	agtcatagca	cttgggcccag	ttgtctgggt	660
ggcaagattg	gaatggctgt	taagagggcc	tggctcccgg			700

<210> 2271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2271

gaaagaaggg	caccagtatc	accaagaact	aaaatgggtg	ctaaaatagg	ccagcattga	60
taggaaatgt	cacagaactg	ggctcactga	tagcagtagg	ggtgatagga	ctctgagata	120
atagaggcca	agtcatagca	cttgggcccag	ttgtctgggt	ggcaagattg	gaatggctgt	180
taagagggcc	tggctcccgg	ggagtatttg	acatggttaa	taaaacatag	catctggagg	240
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atcatggata	atgagtccag	tcaccccaat	aaaaagtaac	ctgccgagtt	tccagatctg	360
aaccagtttt	cagacttaga	acctactgat	tgaagaagat	gccagatctc	ccagaaggaa	420
gagtcccaca	ccaccacagc	aagtgtgcat	gataatgatt	tccccagccc	tttcccaggg	480
ggacctgtgg	gcacttaacc	tggatagcta	catactagga	aagagaatat	cctaaccatgt	540
gaaagactat	tgaacccggg	attagaattg	acattgtttac	ctaggtaacct	gaagtggcac	600
caaaatcctc	tcattagaat	gaggggtata	tgtgggccag	gtgatagatt	cctggcctga	660
gttctgctaa	tagcaggtcc	tctgggtcca	cagacccaca			700

<210> 2272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2272

tggatagcta	catactagga	aagagaatat	cctaaccatgt	gaaagactat	tgaacccggg	60
attagaattg	acattgtttac	ctaggtaacct	gaagtggcac	caaaatcctc	tcattagaat	120
gaggggtata	tgtgggccag	gtgatagatt	cctggcctga	gttctgctaa	tagcaggtcc	180
tctgggtcca	cagacccaca	gtgatataat	cagatcaaca	cacttgataa	ttagcacagc	240
ccctacattg	ggctccttggc	ctgcatggtg	agagtgatca	tagtgaagaa	agccaagtgg	300

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aagccttcaa aaccttccca ttccaggcaa aatagtaaat caagaacaat atcacattcc 360
agggttaatg gcagaaatta ttgccaccat tatagaccta aaagggagtc cgtcatatct 420
tcatttaatt taccagcaaa acccagttaa atcctgaaag atgacagcag gctactacca 480
attcaacagt agccccattt gcagccactg tgcttgccaa atgtgtcttc actacaacag 540
attaacatgg gctcaggcat acagtgtgta gctgctgatt tggatgaatcc attcttttcc 600
acccctgtta gaaattgttt gcattcactt gggacaaaaca acagttcaaa tttccaaggc 660
aaagttaact ctctgcccct ctgtcataac atagttccaa 700

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<210> 2273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2273

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gcagccactg tgcttgccaa atgtgtcttc actacaacag attaacatgg gctcaggcat 60
acagtgtgta gctgctgatt tggatgaatcc attcttttcc acccctgtta gaaattgttt 120
gcattcactt gggacaaaaca acagttcaaa tttccaaggc aaagttaact ctctgcccct 180
ctgtcataac atagttccaa gaagtctgaa ccacttgggc atcctgcaga acatcacact 240
ggcttactct attgataata ttatgccagt cagacaagat tgatggccat ggcaagacac 300
atgcactcca gaagataaac cctatgaata ttcacagcct gccacatcag tgaagttttt 360
aggaatccag tagtctggag cgtgcagaaa attcccacca aagtatagga caaatcacta 420
tgtcttgtag ttcccaccat gaagaaggaa gcggaatgtt tggcaggcct cttagggtta 480
tggatgcaac ctatatggat gaaacctatt acacacttgg gaatattatt ctgaaccata 540
tacctggcag tgacacaaaa gcctgccatc tttgagtggg gccccaggca ggaaagggct 600
ctttggctgt agtacatgta gccctgccat gtggggcata tgagtcatca gatactgttg 660
ttttaaaggt atctgtactg ggaaaatata ctgtccctag 700

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<210> 2274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2274

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gaaacctatt acacacttgg gaatattatt ctgaaccata tacctggcag tgacacaaaa 60
gcctgccatc tttgagtggg gccccaggca ggaaagggct ctttggctgt agtacatgta 120
gccctgccat gtgggccata tgagtcacat gatactgtgg ttttaaaggt atctgtactg 180
ggaaaatata ctgtccctag ggttctggaa caaggccata ccatctgcac tggagaatta 240
catacctttt gaaaaacagc tgtgccatgc ttctgagcct tggtaggcct ggagggcctg 300
actcagtgac catgcagcaa gaaccaccat gatgaattgg tttttgtgag acctactaag 360
ccataaggtc aggtgggctc aacagcaatc catcataaga tgggaagtgg acaactctaa 420
ccaatgagca ggattggaag acacaaataa gctgcagggt caagtgacct agaaccctgt 480
accatccaac tccaggacac caaaaccttc cccagctca catctatggc tgcatgggtg 540
atcccttgtg tccagctgat ggaggatgta aaagctcaaa cttgattccc aaataagttc 600
agatacaata ctcggcctca gggagatcaa gagaccacc cactgctagg tgactacatt 660
agccctctta taccctgaa gggccagtga ttcattttga 700

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<210> 2275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2275

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caaaaccttc cccagctca catctatggc tgcattgggtg atcccttgtg tccagctgat 60
ggaggatgta aaagctcaaa cttgattccc aaataagttc agatacaata ctcggcctca 120
gggagatcaa gagaccacc cactgctagg tgactacatt agccctctta taccctgaa 180
gggccagtga ttcattttga caagaataaa gacacaattt aagcatgagg ttgcctttcc 240
tggtgcagg gccacagcca acatcactat ccaagggcct tcagagtgtt tattcccctg 300
gtatgggagc tcacatagca tatcagactg agggatctac tttatatcaa agaaagtgga 360
agcacaggtc catgaccata ggatgtgcta gtcatatcac atattgcacc actcagggtg 420

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tgtcagtttg gtagagtgtt gggcaacagc ctgttgatgg catagttgaa gcaccggctt 480
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aagaccttat atggagctct gttccaatag gtataataca agagtttcag aaccaagaga 600
taaaaacagg agtggccccc ttactatca tttccagtg cccacttgga aaatatatgc 660
ctcccatccc tgcaaactct ggctctgtgg gtttgagat 700

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<210> 2276

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2276

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aatgaactat tcttcaggat gcagttctca ctataaatca aagaccttat atggagctct 60
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tttactatca tttccagtg cccacttgga aaatatatgc ctcccatccc tgcaaactctg 180
ggctctgtgg gtttgagat cctgggtccc caggagggaa catttccagc aaaagtccca 240
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caggaaagaa aaggaggtac catcttgga ggggtacctg agcctgatca tcaggaggag 360
gtaagactac acagtggagg cagggaggca tacatgtagc accccgggtga tccagttgga 420
tacctcttta ttactccctt tcccaatttt gacagtaaag ggacaagtgc aacaatccca 480
gcctgagatg gaatcagacc tcttagagat gaaggattgg gtcattgctac caggtgagcc 540
agcaggatga gcaaaaggtg taactgagag tgagggggaa tctggaatgg atagtagagg 600
aggagatgat gagtgtcatt tgtggccctg agatcaactg caacagcagg gactgtagtt 660
cattgtgaac cttcctcttc taagtctccc agaagtagaa 700

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<210> 2277

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2277

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tcttagagat gaaggattgg gtcattgctac caggtgagcc agcaggatga gcaaaggtgc 60
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tgtggccctg agatcaactg caacagcagg gactgtagtt cattgtgaac cttcctcttc 180
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gtgtttatat gaagaagtgg atccagaaag ctcaagggat ggactatggt ggaagctatg 480
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tccgtgccta aggtcatgct tccttccagg ggcagcttac atccaattac tgatcaaaaat 600
gaaggcataa aggtctgacc tccttgcccc aacataggaa gagtctgaag ggccatccca 660
gctgtagaag tctccttagg atcagctgag acttttgttg 700

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<210> 2278

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2278

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ttcaggagtc aaggtctgat tgccctgct gaagaaaatt tccgtgccta aggtcatgct 60
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tccttgcccc aacataggaa gagtctgaag ggccatccca gctgtagaag tctccttagg 180
atcagctgag acttttgttg tgactgtatt ttgtccaaat tctccctctg ttcaatcctg 240
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gagtgtgttc aagtcagctt cagtctctgc agctatgaag gggactaatc accccatcct 480
cacctggcct ggaattgctc ccctgggtca aaacctttta ggccctcagg cctctggggc 540

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```

ctggaggtca tgaggggtgg tgagaagaga aggcggccag gtggagctca acatcctcgg 600
atagtcgtgc aaatgccgga ctatagcctc ttctgggcac cgccccctgt gccaacagag 660
tctggactca tagtggttcc taaaaggacc ttttccacga              700

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<210> 2279
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2279
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tgagaagaga aggcggccag gtggagctca acatcctcgg atagtcgtgc aaatgccgga 120
ctatagcctc ttctgggcac cgccccctgt gccaacagag tctggactca tagtggttcc 180
taaaaggacc ttttccacga caagcacagc caccatgctg ggagtaggtg gccccaggag 240
agatgtcgag gaggttttct ctgccccaca ggccaggaaag gggaggaaaa aaccaggaga 300
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ttcactgcca gcgttccctc ttgtctctcc atctgtcctt tccaggctct cgctgagttc 660
aactgtctat cagtgtctgt ccgtttactc atcactgcca              700

```

```

<210> 2280
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2280
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ttgtctctcc atctgtcctt tccaggctct cgctgagttc aactgtctat cagtgtctgt 180
ccgtttactc atcactgcca ggagcctgag ctatgcctat ctgtttgtct gccccgtca 240
tggtcctgct gtgtctgtct gtctgcttgt gactcctggc ccttcagcct gacagagttc 300
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gaccagggcc cacaccatt tttgtttgat ctacagccc aaggctgcat atctctgtcc 480
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tctggcagct tctcttatt tccacctggg ttccaacact gggtgctgcc catgtccagg 600
actggattgg tgagaggagg cattaggggc tgtctgattc acagtgtctg ccttagccct 660
gagaagagag agagcttcca tttcagttga ggactaagag              700

```

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<210> 2281
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2281
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tccacctggg ttccaacact gggtgctgcc catgtccagg actggattgg tgagaggagg 120
cattagggtc tgtctgattc acagtgtctc ccttagccct gagaagagag agagcttcca 180
tttcagttga ggactaagag gcaccacag aatctgcccc agagagggtc cagtgggaga 240
agggacctga ggggtatgga gttcactcag ggacagcttc ctggagtgtg aggggagagg 300
gggagactatg agttatcctg ttattgtgtt gtttctgact ggctccaacc cagttgctgc 360
ttccttgccc tcccttcccc agcacatgac ctcacctta tccagtctgg tagaggaaga 420
ggcctggata ggagccaggg cctccatcag gagagcttgg ggctgcccc aagcctaactg 480
gaggaagtgt gacacattcc cagagagctg ggcttccctc cctcctgcag cttcctttga 540
gatggttccc gaatccgtta agtgggaaaa agagctggca gctgtgctgg tgttgggctc 600
ccagtcccc tggtcctcgg atggccccaa gggcctcctc ttggctcctt cacagatgct 660

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atttttgata agaataatga aaacaacagc cctggctgtg

700

<210> 2282

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2282

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atggccccaa	gggcctcctc	ttggctccct	cacagatgct	atttttgata	agaataatga	180
aaacaacagc	cctggctgtg	tacttagtac	ctgcttatag	cctgttgctg	atcttgggtcc	240
caagaacatt	ttctaaactt	tggaaaattg	gatgttgctt	ttccatccgg	acttctgtaa	300
aagctgtgtg	catttctttt	attcaaaggt	gaaaagaggc	tcactttcat	cagactctgg	360
aacatagtca	ctgctggcac	ttgatgccat	gaggggccct	cctccgagct	gggggataaa	420
gcagtagttc	agagcagaga	ccctcacagt	cccctgagga	acagatgaca	gtccacccct	480
gtggcgtaag	aggtgggcag	gcaagcctca	gagtaggtgt	tgaggaagag	gaggccccag	540
tgcaggacct	ctccacctcc	cactggacat	tagtcttacc	ccattgtgga	gacagatgtc	600
aaccatttgg	ctgggggtgca	ttccaggcag	gggtagcagg	tgatggtggg	agtgtgtgtg	660
ctggttcgtg	ttactggggg	ccagggtctga	tatgaaggag			700

<210> 2283

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2283

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cactggacat	tagtcttacc	ccatttgtga	gacagatgtc	aaccatttgg	ctgggggtgca	120
ttccaggcag	gggtagcagg	tgatggtggg	agtgtgtgtg	ctggttcgtg	ttactggggg	180
ccagggtctga	tatgaaggag	atggatggtg	agcaatgagg	ctagaggtat	ctgcaggggc	240
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acatatattat	gtaatgaatt	aatgggtggc	tgctgtgggg	agagaagcag	gaaggggtcta	480
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ggcaaagcca	taaagacaaa	gagaagtggg	caggttggaa	aggggctggg	aagatgaatg	600
taccaggaca	tggcagggga	ctgactaagg	gaccgagacc	tcaagaggaa	cccaggacag	660
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<210> 2284

<211> 688

<212> DNA

<213> Homo sapiens

<400> 2284

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ccgagacctc	aagaggaacc	caggacagta	cccaggtctc	tccacttgg	ttctccacat	180
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aagggtgca	ctccacagtg	tgtgtggcaag	acaccatcca	cagccacatc	aaactggggc	300
ctttgtgagc	tacctctccc	aaaaaggaga	tgcaggagta	aacaacgcag	agaagaattt	360
ctgttaatga	tgggagcatt	tgggaagcag	gctcagatca	tatgaaagaa	gaagagagtt	420
ccagtgtctg	gtggataagc	agtgtctaca	aaaggcagga	aaaccaacag	caacattgtt	480
catgaaagac	tttttttttt	tttttgagat	ggagtctcgc	tctgtcacc	aggctggaat	540
gcagtgggtg	tttctcggct	cactgcaagc	ttcatctcct	gggttcaagc	gattctcctg	600
cctcagcctc	ccaagcagct	ggggactaca	ggcatgtgcc	accatgccc	gctaattttt	660
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<210> 2285

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2285

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actttttttt tttttttgag atggagtcct gctctgtcac ccaggctgga atgcagtggc 60
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aatgaaagac ttttccttgg gaaaatatta aatatttgcc agcagctaaa gctagtattt 360
agttaaagct aaaatatgta tgctcctatga cctagcaatt ccatgtcatt ccagcattt 420
ccagaagaaa ggtaaacata tgctcaccaa aacatgagtg caggaatatt cagtgaagct 480
ttattaatat tagcccaaaa gtggaacac cccaaatgtc tgtcagcagt agaataggaa 540
attttttttt aattaaaaaa atttttttta gagacagggt ctactcggg tgctcaggct 600
agagtgcagt ggcataatca cagctcacct tagccttgaa ctgccgggct aaagcagtcc 660
tcctgcctca gccttccacg tagccaggac tacaggcctg 700

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<210> 2286

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2286

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gtggaacac cccaaatgtc tgtcagcagt agaataggaa attttttttt aattaaaaaa 60
atttttttta gagacagggt ctactcggg tgctcagggt agagtgcagt ggcataatca 120
cagctcacct tagccttgaa ctgccgggct aaagcagtcc tcctgcctca gccttccacg 180
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cctcagcctc ccaaagtact gggattacag gcatgagcca ctgcacctgg ccagaatagg 360
gaaataaatt ttaggatatt ttataatgg gatattatac agcagtgaaa aataacgtta 420
caatgatggg caataactag agaattacac agacacagcg ttgaatgaaa gaagtcaatc 480
ataaaagggg atagtacatg cttctgttct aaatgaagtt caagaatggg caaaactaat 540
ttatggtggc agagggttga atagtggcta tacttggagg gaggatactg attaggagca 600
gggaagtaca aggaaggcct tgggtgtagt ggaaaatggt gtatgtgttt ccctgggtgc 660
cagttattta tatagggtata aatataaaaa ctactgaac 700

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<210> 2287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2287

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cttctgttct aaatgaagtt caagaatggg caaaactaat ttatggtggc agagggttga 60
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tgggtgtagt ggaaaatggg gtatgtgttt ccctgggtgc cagttattta tatagggtata 180
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gctgatcttc ccttgagggt gacccaaaaa agggagaaaag attttaatta atcatctctc 420
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ctgtgtccag cagcccttta gaggaccag agaggggggt tctgtggggc caggctcaac 660
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<210> 2288

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 2288
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 gaggacccag agaggggggtt tctgtggggc cagggtcaac aattctgtct agcttacctc 180
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 ccatgtgcct tcagcacaac ccagcagcgg gctcagaagc ctgggacagc acagtgtggt 660
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<210> 2289
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2289
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<210> 2290
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2290
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 tgggaggccc atgtgaaagg aggggctatc ccattgtctt 700

<210> 2291
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2291
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 acagaggaca cggaggggtg tagagagtag aggtggtcct tgggaggccc atgtgaaagg 180
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<210> 2292
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2292
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<210> 2293
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2293
 catgctgtgc tgaacgtggc actgaggtga aaaggacata cgtctatgct cccaccccc 60
 actgtcaggt acctcaggct ttgtcaggag ctcaagggtca ggagacctca tgcctggagg 120
 aggtctgggg cagggaagag gaggtgggg cagggaagtg gaggtctctc ttgccagagt 180
 gtcccagcag cgccatccag ctatgcacct catacactcc agagccttg gacctctgag 240
 caccaggtg gtgcacccaa gggacaagag cttacagtct ctggtgactg gattgtgggc 300
 tttctctgga ctgaaaccac ccttggaacc tggccttgca ctagccctg acatctgatc 360
 ctgaatcaca gggctaccct ccatgttcta gatgatttgg caacttttct caggcacagt 420
 tgctgacctc cagactgatg tgttccctca aggtggagat gagcagtggg ggtcttggga 480
 tcctagggca agggatgggg tgggcagggt tgtggttggc ctgcatggct gcaggtgctg 540
 tccgaagctt tacagctggg caggtttgtc gatgggcaga tgtggcaaac tccctgcagt 600
 tctggcctgg gctaagttgt ggttgcaact taacaattat gttccagaac aaatgggtct 660
 ttatcggtcc tggtcagggt gagaaactca cagttggaga 700

<210> 2294
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2294
 tgggcagggtg tgtggttggc ctgcatggct gcagggtgctg tccgaagctt tacagctggg 60

```

caggtttgtc gatgggcaga tgtggcaaac tccctgcagt tctggcctgg gctaagttgt 120
ggttgcaact taacaattat gttccagaac aaatgggtct ttatcgggtc tggtcagggtg 180
gagaaactca cagttggaga gatttggatt gtaggaagct gtgtggactg tggagtaatc 240
ccagttgcct ccaataaact caaatgttta gaattcaagt tagagctaag ggtaggggggt 300
cagagctttg tagccagtc tggcagcact ttaggactca agcaactggc atttcacccc 360
aggcagggcc cagtgtctctg cgggtgtgag gtggtactag tcatggaggg gccgtcatgc 420
catggagaca caggagagtg ttggccacgg ttttgcaggc caagaaagag attttacttt 480
gaggtcagat gactctgttg gtccagagga agccaggggt ttggagatgt ccctggcctc 540
tgtgggcccc ctccctccca ggtcccacac tgtgcccagt gctctgtgag tcacctgaaa 600
ggccctgttc ccctgagcca tttaccaggg ctgacatttc tgtggtgccg cactgggcct 660
tgaggggggtg gcagggcttg attagattta gagtcccca 700

```

<210> 2295

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2295

```

gtccagagga agccaggggt ttggagatgt ccctggcctc tgtgggcccc ctccctccca 60
ggtcccacac tgtgcccagt gctctgtgag tcacctgaaa ggccctgttc ccctgagcca 120
tttaccaggg ctgacatttc tgtggtgccg cactgggcct tgaggggggtg gcagggcttg 180
attagattta gagctcccca ggagctatga tacagaacag aggacggaga gctttgatct 240
tcaagtctcg gcacttggat ctggagtggg cagggtgctga ctgaggctag ggaggcgggc 300
ctgggaaagg acctgaaatc ttgagttctg atggacacaa ggagaagggg ggcataacaa 360
gttgatagag cccctactgt gtgcccactg gcactggaga tgcagtgggg gttcagatga 420
ggtgggggtcc catttgccctc atccacggcc agatacttct cctgagagac ccgtggaact 480
ccaggtatgg agcccagaaa tggagccatc gcctccaccc tttgcagtct aacaggactg 540
catccccacg aggctggact ccatcatgac tctcactcac cagcatttcc acatgctggg 600
ccttattgaa gcagcagggtg tcagttacag aaatgtgtcc ccaggcacca ccaccccaaa 660
taccacacca cacccttgct tgccggccca gggccagcaa 700

```

<210> 2296

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2296

```

tggagccatc gcctccaccc tttgcagtct aacaggactg catccccacg aggctggact 60
ccatcatgac tctcactcac cagcatttcc acatgctggg ccttattgaa gcagcagggtg 120
tcagttacag aaatgtgtcc ccaggcacca ccaccccaaa taccaccca cacccttgct 180
tgccggccca gggccagcaa actcacaccc caaccagca gtaagttgtt cctgatgctt 240
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tgatcctctt agaagatttc catccttcta tggatatgat aacactctat aaggcttctt 360
tgaacttga gaaatgactt tactcaatag taccattctt gggtagtctt gttggctaaa 420
cgagaaatac acatttcagt catcttctta gtaggaaaaa caatgaataa ataaaagcaa 480
acgcttgctc ttccagccat cctctaggag gtaactggca gccctccca actgtttgag 540
ggagggcaca ggggctgtgt ggtgatggaa ggggtccagag tctgaggact atccatagt 600
ttggagaggg agcccgcagg ataggcagggt cccgtggctg tccaggacag ggacataagg 660
acaagcaggc tgggaggagt acccaggact gtctgagcag 700

```

<210> 2297

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2297

```

cctctaggag gtaactggca gccctcccca actgtttgag ggagggcaca ggggctgtgt 60
ggtgatggaa ggggtccagag tctgaggact atccatagt ttggagaggg agcccgcagg 120
ataggcaggc cccgtggctg tccaggacag ggacataagg acaagcaggc tgggaggagt 180

```

```

accaggact gtctgagcag tgggaaaaga gggggaggca gctcagtcac ttctccaggc 240
atgccccctgc aaactgctgc tcatcccccc catcatgggt tctcagtggg cttcatcatc 300
caaaagaggc cccaaggaca gggcaaactg gagcaagctt gcaactgggtc tcagttcaag 360
tccatgacct cagcctgagt ccatgaccag tcctgctctg acctgtctca gacctatccc 420
atgctgatcc ctgtgcatgg gggcttggca gagagcacag acagaaaccc tgagaatctc 480
tgaatcccca cttcctcaca cccagccctg cactccccac cctccacctt gtgtcagtga 540
gtagactttct tttagattgg agacaattcc agaggatagc cacctgtggc ctaggagtag 600
caccagagac cttgcatgtg gcagtcaggg tgtataaaag ccctttgcct cactgggccc 660
ctggctgtgg tgcagggaat tgatgtctca ggttctgcta 700

```

<210> 2298

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2298

```

cccagccctg cactccccac cctccacctt gtgtcagtga gtagactttct tttagattgg 60
agacaattcc agaggatagc cacctgtggc ctaggagtag caccagagac cttgcatgtg 120
gcagtcaggg tgtataaaag ccctttgcct cactgggccc ctggctgtgg tgcagggaat 180
tgatgtctca ggttctgcta agagcaaatg gcaacaatg tactttcagc tttgggcaga 240
ttttgatgag ttattccatg tccatgtaaa ccttcgttat gtgatgggtc tgtttgtcat 300
atgtgttaat gagactcttc aggggtgaag taaagtctct tgtaaacctc tcatagcaga 360
gctcctgaaa caggttcagg gctctgggtc acagcagggc accagatgac ccagcctcat 420
ccatccctgg tcaacctgga cggaaggagc cctggaccca agctcaggcc ctaccctgat 480
tctcccacaa ggagacctgt ggggtctcgca ggccaaacag tggaggcaat gggcatctgg 540
tctctccctg ggctcagggc tgcacttggg tgggaggctc acctgctgac tgagctggag 600
gtttcatccc cacactctga gctttctccc agatttctca ctccactatc cttgttggg 660
atctcttccc tgggcactga ctggtgagat ctctctctcc 700

```

<210> 2299

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2299

```

gggtctcgca ggccaaacag tggaggcaat gggcatctgg tctctccctg ggctcagggc 60
tgcacttggt tgggaggctc acctgctgac tgagctggag gtttcatccc cacactctga 120
gctttctccc agatttctca ctccactatc cttgttggg atctcttccc tgggcactga 180
ctggtgagat ctctctctcc ctgttcaaat gtggtatgaa aggtcccggg gcagctgttt 240
cttacctcac tgggtttctg gggcctattg aagggacccc ggaagccaga gaaattgggtc 300
aggagcacia aggggcaacta agagcaaat aacgtttgat ggagaccag acttatcttg 360
tgtgtgttat tgtcagccga gagttctttc tgaatgtcag cacagattgc tgtgtacttt 420
tcgtggggag atatcgtggc tactttcatt gggaagaatg gctttctgac cccagagca 480
catgagccag gagcacgtac aggtgcatgg tattacttga aggtgactcc aagctgggtc 540
gagccctggg cttggcagca tttctgtgga gaggggtacc tatatatgtg aggctaagga 600
aatgctaaac ctcttatcag tcatcactgg cttacgcgga agacagagag gaccttatcg 660
ctgggcaaga tgtgattttc atgcattttc aacaaccaca 700

```

<210> 2300

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2300

```

aggtgcatgg tattacttga aggtgactcc aagctgggtc gagccctggg cttggcagca 60
tttctgtgga gaggggtacc tatatatgtg aggttaagga aatgctaaac ctcttatcag 120
tcatcactgg cttacgcgga agacagagag gaccttatcg ctgggcaaga tgtgattttc 180
atgcattttc aacaaccaca gcacacttca tggattcttg cctgtgctga cactcaggct 240
tcatcctgag cggttcacct gacttcttat ttgtaatcac acctgaagtc acggtctttc 300

```

```

tgcattgagca tggagtgagg ctctggccag gcctggcgct gtctgcagggt gctgactgaa 360
gtagaggaag caagaggggt ggtgggcgca tgactgcaga cagtgccagg caggggctaa 420
agctgccaca agccagcttc cttaggccca cctgtcaagg agaagctggc cctgctgccc 480
gcctaagact tggggcacat ccacttcctc atagtcctgg agggagatga ggggaacagg 540
tcaggaacaa ggccttgagc ccagctgtca aagtaaggag aaggaggagg cctactttgt 600
ttttagcctg caggccatga gttttagggg aaagtgcctg attagattca aaatttcatg 660
taaaaataaa aaccaattca gaaacatgcg gcactacagc
700

```

```

<210> 2301
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2301
ccacttcctc atagtcctgg agggagatga ggggaacagggt tcaggaacaa ggccttgagc 60
ccagctgtca aagtaaggag aaggaggagg cctactttgt ttttagcctg caggccatga 120
gttttagggg aaagtgcctg attagattca aaatttcatg taaaaataaa aaccaattca 180
gaaacatgcg gcactacagc catgtaccaa caaattatga ccttacattc tgactctcag 240
agattaagat caccattttt ggggcaagtt tggtaaatac gctgcactgt gacccctgtg 300
gtttgggttc ttttccctg aacagttagt ctattttgct gtttactttc ggaatgggta 360
aatctcagag tgtgaggggc agggcggtgg gcacaggggc caaggcctct acagggcagg 420
tgtcttgctt gatgccagag tgggcctgtt cagccagtga ccagccaacc cccaggcctc 480
cccaggaagg gtggtgccct tctctgggat aagagttccc tgggctggtc acttggaact 540
ccagggtgaac ttgagagcca ttctctgggg tgggagccct ggagcatccc gggaagcccg 600
tccagggtgtg cagaattccg cacctatgcc cggctctcac ctccccctctg ctctgacagt 660
gttggccctt ggatagtgcc caacgcctgg gaggcccccg
700

```

```

<210> 2302
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2302
tctctgggat aagagttccc tgggctggtc acttggaactt ccagggtgaac ttgagagcca 60
ttctctgggg tgggagccct ggagcatccc gggaagcccg tccagggtgtg cagaattccg 120
cacctatgcc cggctctcac ctccccctctg ctctgacagt gttggccctt ggatagtgcc 180
caacgcctgg gaggcccccg cccccctctc acctccccgt ttccctccctn ccctgcctca 240
tgggaaggca ggcaccnant ggcatttgct catggttaaa aacaaactag aacnntnnnn 300
nnntagaagc ntatttttaa taataattat tacggtaaaa catcttgaat aaatatggaa 360
tatgaactta aataaataaa taaataaata ttttaaaaat ataaatatat aaatattact 420
gattttctgtc agtataaaat attcccattc ttctgccatg cctgtatcag ggtcagtgtg 480
gcccagggca ggtccaggcc actcccacca tggctgtggc ccaccccttg gtccctccaa 540
gatgaccatc ctgagtttct agctcttggt tcatgagaga gcagctcccc ggcttggcca 600
gcctcatctg gccggtctca ctcttggaact ggctcccagc agtcaaaggg gatgacaagc 660
agaaagtcc ttaggtttctc tttgaaactt tcaaaggtga
700

```

```

<210> 2303
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)

```

<223> n = A,T,C or G

<400> 2303

```
actcccacca tggctgtggc ccaccccttg gtccctccaa gatgaccatc ctgagtttct 60
agctcttggt tcatgagaga gcagctcccc ggcttggcca gcctcatctg gccggtctca 120
ctcctggact ggctcccagc agtcaaaggg gatgacaagc agaaagtcct tcaggttctc 180
tttgaaactt tcaaaggtga tantctgggt tgcacaggaa gtttccttta aaaaaagaaa 240
aataaaaaac acttgagtc aggcaagtgg gtaacgtggg ggaagggaagc accagcatgt 300
ttctctactg cctcttagaa ctcagaggcc aggaggccca ctccaggaca caccactga 360
cctgggtcag gtgacgtgc tgcacccac gtgttcccca aggagtgc atgctctgcca 420
gtggcagcca gagtcaaggg cctgacttaa gtgccagcct gaggttggcc ttctgggcag 480
tcaaacgcct gcctttttgg tcccaggcca gagcaggcca gctgagctga ggtcgtctct 540
gggcacccag aaggagtggg gtcaaggcca caaactttgc tcccttcccg caggaaggag 600
tgctgaggt ccttgtccat tccaagtagc ctcccttctc tgatcctctg caantcaagc 660
accccatgtg gggccagagg aaagtcctgc cagaaggtgg 700
```

<210> 2304

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2304

```
tcccaggcca gagcaggcca gctgagctga ggtcgtctct gggcacccag aaggagtggg 60
gtcaaggcca caaactttgc tcccttcccg caggaaggag tgctgaggt ccttgtccat 120
tccaagtagc ctcccttctc tgatcctctg caantcaagc accccatgtg gggccagagg 180
aaagtcctgc cagaaggtgg cacttggggc tgggcacttc ctctgggcct tgggcaggcc 240
ccaagtcttc ttgggtttgc cctcacctct gacctcatta accantaatg acaataatga 300
ccaggatagg agcagctcct gctggggagc actgtgggct tcagcgtctc gtggctctga 360
ctccttggga tgaaatgggc tgtctgcctc ctctctggag ggctaatacat tacataactg 420
ttggcacaga aacccccctg ggtcctgaac agccacagcc atagatctct ccccatgtcg 480
accncacccc ctagattaag acattcctgc tggaggccct gccgtaggca ctcaccgggg 540
ttggaggcca gtgctgnttg tagtggctgg ccatcatggt caagggggcc ttgagcttgg 600
tgaggctgcc ccgcaggccc tgcttgtaga gctccaggcg ggtctgtagg caggtcggct 660
cctgtggaaa atgtcgttcg tcggtgagca gtggccaagt 700
```

<210> 2305

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2305

```
acattcctgc tggaggccct gccgtaggca ctcaccgggg ttggaggcca gtgctgnttg 60
tagtggtcgg ccatcatggg caagggggccc ttgagcttgg tgaggctgcc ccgcaggccc 120
tgcttgtaga gctccaggcg ggtctgtagg caggtcggct cctgtggaaa atgtcgttcg 180
tcggtgagca gtggccaagt gcccacagtg gtacaagaac tctccaccac tcctttttgc 240
tgctgcccc agccccagg agtagggctt gggaggggca caggctgggt ccagtcatag 300
accctgccct gtccatggca ggcacgaacc tgcccttctc actgccccgc ccaggccacc 360
ctcagcggca cctggagagg agcccagcct tagggaagga ggtgactctc accccatcat 420
tcaggagag gggggtgggg cctcacctgg acctgctggg tgggcaaggg ttgttctga 480
```



```

aaccctctctg tgcctctctg tagtcagcac tgtctcaaca ggacttggtc tcgggggcaca 540
gtgagcgccc caaaccacac gctcctgtct catgaagtga ccccaacttt accacctgtc 600
ccctgggtgac tcctggccat tgaatgctag gtctgcccac ggccgctcag ctgataaagg 660
agctcatgtg actgccatag gggcacggcc agtagcctct 700

```

```

<210> 2306
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2306
tagtcagcac tgtctcaaca ggacttggtc tcgggggcaca gtgagcgccc caaaccacac 60
gctcctgtct catgaagtga ccccaacttt accacctgtc ccctgggtgac tcctggccat 120
tgaatgctag gtctgcccac ggccgctcag ctgataaagg agctcatgtg actgccatag 180
gggcacggcc agtagcctct tgagcaccca gttgctaccc cctcctcctg cagccagctg 240
actggagaga aagtggacaa ccctgtgtgg tgccatctaa aatggagtcc ccacctccac 300
cccagggcag gggcttctgg aaagctatgt cagagagaag catcttacct ggaggtcaaa 360
catttctgag atgacttcta ctgtttcatt ctgtagaaaa ggaaaatgtc atgttatcaa 420
gctgacaggc gtggccagtc aggggccagc tgggtggcct aggcacaggc ccacattctc 480
tcacttacca tctcagcagc agtgtctcta ctcaggttca ggagacgccg ggcctcctgg 540
atggcattca catgctccca gggctgngtg ctggggctgg gcgagcgggc ggggtgcagag 600
atgctgcagg ccacagtgcc caagagcagc aggctctgca gccacatcct ccagngaact 660
ttagcctttc tctctgtgta ctgggctcac tggcaaaaga 700

```

```

<210> 2307
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2307
agtgtctcta ctcaggttca ggagacgccg ggcctcctgg atggcattca catgctccca 60
gggctgngtg ctggggctgg gcgagcgggc ggggtgcagag atgctgcagg ccacagtgcc 120
caagagcagc aggctctgca gccacatcct ccagngaact ttagcctttc tctctgtgta 180
ctgggctcac tggcaaaaga gctcttaaat acacagagga aatgattaat ggtgaccaca 240
aaatgccagg gaggcggggg aactacctga actgtggaat ctctggccc ttatcagcca 300
cacatgggaa cggtgagcct tttccctagg tggtcaggct tgggggtttt cattaatgaa 360
cctttccaag aaccgacagc ccaccacccc gccttctga gggctctcca gccctccctg 420
ggcagtctga atgggcctga ggctgcccc tcctctgag gggcacagtt tggacttcct 480
ggcctggaat ggctgggggtg gggcgtggga gacacttaga tagggctccc catcctgcct 540
gtaatcccag gggccttttg gcaggctatg cccgccctgg tgcctcattc tgactccagc 600
cttcctcttc tctggccact gtgagagact tgagtgtgag gggagctctc acagacctgc 660
cccaactgaca gttcacatgg gctcccaccc aggacctgga 700

```

```

<210> 2308
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2308

```

```

gggcgtggga gacacttaga tagggctccc catcctgcct gtaatcccag gggccttttg 60
gcaggctatg cccgccctgg tgcctcattc tgactccagc cttcctcttc tctggccact 120
gtgagagact tgagtgtgag gggagctctc acagacctgc cccactgaca gttcacatgg 180
gctcccaccc aggacctgga gcagggggca acctcagtcc agtaaggggg gacccttgcc 240
cctgtgagca gagggaatga ccaccatgtg cacatccagc agcgagactg cagccactct 300
cagcaagctt cagagggggg gtggctgggt caagtcggga cccagagtct gactcttggt 360
tctggagcca cttcctgag tgactcccct ctctggttat gtgaaccttg attccctctg 420
cagagcaggt ttgcccctct gaggttcgga ctacactcct atatgtagcc cccagaagac 480
accaggagct tcaggctggc tccagggctg tggctgcac catctcaggt acagggacaa 540
tggcttcccc agcaaggccc tccaggetta atttctaca taaccccagc atcccccaac 600
tccagaggcc tttctgtgga agtgtggaag taggaaatct aaaggctctt gaggggctga 660
caagtgtttg attttcacaa tggagttcag agaagacagc              700

```

<210> 2309

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2309

```

tccagggctg tggctgcac catctcaggt acagggacaa tggcttcccc agcaaggccc 60
tccaggctta atttctaca taaccccagc atcccccaac tccagaggcc tttctgtgga 120
agtgtggaag taggaaatct aaaggctctt gaggggctga caagtgtttg attttcacaa 180
tggagttcag agaagacagc acgagtttgt gtttgacaa ggtatctggc tcaagctgcc 240
ccatgcctgg gtttcatagc taaaggggtg tgggcccaca cgtgccatt tctgggtgta 300
tgtgtgctgc tgtgattggt tgtacatata ggtgcctggt agaggggagg atgttttcca 360
tgcagatgca tctattgagt cctcttacct gctttatgaa aggctccagg cctctgaagg 420
tgactctgat actggagaag ctccctactc caggtgcagt gcctctgggc cctagagggt 480
gattcagcct aaaccagtgg ggttgacac aagcgagaac attctgctgg actcaggttg 540
gcgagccttc agagagcagg tggagttcat ggctttagca ctgtggtctg agtctgcagc 600
cctggccagt ttccctgtac tgtgggagtt tttctgacct tgcatagaga aaccaaacct 660
tagtctcca gacccactg tgaggccagc cccatccatc              700

```

<210> 2310

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2310

```

ggttggaac aagcgagaac attctgctgg actcaggttg gcgagccttc agagagcagg 60
tggagttcat ggctttagca ctgtggtctg agtctgcagc cctggccagt ttccctgtac 120
tgtgggagtt tttctgacct tgcatagaga aaccaaacct tagtctcca gacccactg 180
tgaggccagc cccatccatc tgagcctgcg tagaacactc ctagtggcca ggctggggtg 240
ggaacatgaa atgtccaggc cctggccctt tctccacctt ttttgcaagg ccttgggtca 300
gctctttcca gggagctctc gggggagaga tgaggacatg gatactacat gtagatatca 360
catgtgttgg atagaccctt ggaggctgga gggcagggaa gggagccata gtagtggtt 420
cagctgatgg ccaggagggc agagagcctg tatgacccat ctgggagaga aggtcacttt 480
cctcctagaa atgagttgtc atagctcaga cagtcagtca acaagtcttt ccaatccaca 540
ccaggacctg ttctggggag gtaaacggga ccctcccact ggccctcaca tttggccctt 600
gaggctccca gtctggtagg aaacagactg caatggaccc tcccatggtg tgaccttgac 660
tcggcagggg gaagtccaga gctgagggat cccagagggc              700

```

<210> 2311

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2311

```

atagctcaga cagtcagtca acaagtcttt ccaatccaca ccaggacctg ttctggggag 60
gtaaacggga ccctcccact ggccctcaca tttggccctt gaggtccca gtctggtagg 120

```

```

aaacagactg caatggaccc tcccatggtg tgaccttgac tcggcagggg gaagtccaga 180
gctgagggat cccagagggc caccttctct agcttgggga tccaagggga ccagagagct 240
tcactagaga tcctgcctgc aagcccaggc tgaaaggcta gaagtcaggt gggtagcttg 300
ggttggaagg agaggggcag gagaggacag gggagaatgt tctgggcaca gggagccctg 360
gggttttagg aatgggtata aggaacagca ggcagactcc agagagattg aggaggtaga 420
atctcaacag gacttggtgc tatagtgaag tcactcagtc attcattatt ttttgagcat 480
ctactaggtt cccagcaggg aaaagggaca taaggatgac aaaatcggtc agggtcctgc 540
ctccaaggac tttttaaccc catccatgga ggagcaagat tagtctactc acccccctcc 600
ccccccacca aagtgtgctc tgaatgtgag taagaggagt tagaatcact gtccacatgg 660
ctaaggtgag gacccagggg acaaaggagc agatcttcag 700

```

<210> 2312

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2312

```

aaaagggaga taaggatgac aaaatcggtc agggtcctgc ctccaaggac tttttaaccc 60
catccatgga ggagcaagat tagtctactc acccccctcc cccccacca aagtgtgctc 120
tgaatgtgag taagaggagt tagaatcact gtccacatgg ctaaggtgag gacccagggg 180
acaaaggagc agatcttcag agcgtgaggc ccacgggaag ttttggagtt tcagagtctg 240
catgtacagg agacagatct ggcagcggta catgtctgtg tggtagctga ggccacggaa 300
gttattcagg aagaagagct gagggccagc aaagctgtgt ttaagggctg ggacataaca 360
gatgggcaag taacaggcca gtggccaagg gcctaggagg gaaggaaagg aggaaagcaa 420
gagtcataat aagaaatcca tttcggcagt ggtggcctgc aggtgcccaa gtcagcacia 480
acaggacaga aatccatggg tttggtgatg aggtttgtgg gcagccacac atctttctca 540
tggaaagatg acatcagggc tgaggccatg acacaggcag gcattcctag attgactgt 600
attttaaaca gtgtcaaccg atagccagcc atgctgactc aggggctccg atggggctgt 660
ggcagggcag aggcggggac cacgatgggt ggtatgacc 700

```

<210> 2313

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2313

```

tttgggtgat aggtttgtgg gcagccacac atctttctca tggaaagatg acatcagggc 60
tgaggccatg acacaggcag gcattcctag attgactgt attttaaaca gtgtcaaccg 120
atagccagcc atgctgactc aggggctccg attgggctgt ggcagggcag aggcggggac 180
cacgatgggt ggtatgacct ctctggggcc ccccttctca cagagacagg ngaaaaccct 240
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tcactccagg atccttatna cgagagacat tatcacaagg ggaaggaaat gggcctcaaa 360
gtcccttcgg taccatggca cccccgcaca ggctttgggg ctgatctgat ccttctttga 420
cctgtccaac ccttgatgag ggttcttggt atctctgggg acctgagatc tgggagacca 480
gtggtcagcc cagtccacac aatcagtgac cgcagaacca gaatttgaac ccataatctgt 540
tcctgctatc ctagcatttt ccattgtctt ggggtcagga agttgggaaa tgctgatcac 600
ctggctggac cagcaggggg tggacccagc gtgctgtgcc cctcaaggca gctgtaaaag 660
gagatgcctg ccaggtgttc gcaggtaggg tggagtggcc 700

```

<210> 2314

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2314

```

aatcagtgac cgcagaacca gaatttgaac ccatatctgt tcctgctatc ctagcatttt 60
ccattgtctt ggggtcagga agttgggaaa tgctgatcac ctggctggac cagcaggggg 120
tggaccagc gtgcttgcc cctcaaggca gctgtaaaga gagatgcctg ccagggtgtc 180
gcaggtaggc tggagtggcc tgtgactgtc ccagggaagt ctgggctgaa ggcagagttt 240
ccccagcaga tcctgccatc caggcatctc tatgccccag gcttgggctc ttgcccttac 300
ccagccacca ccaatccctg aagcctagga aagtccctcc tcctgagcc tcaacccctg 360
catctgtaca atgggttaat ggccactgcc tcaccgagga aactgttgcc tgccccagga 420
aactctgtgg gagatcctcc cagggaagag acaatccttc aatttctcct ctgccagtg 480
ctaggggaga tttctgaagc ccaaactggg cagaggagcg aggcctgctg gaggttccag 540
ggacagctgc ccctgcccc gccctagccg cagagggcaa ccttctggac acacgtggtg 600
aggtagggag tccggcctcc acctgagtc gggctcctgg gtccctgcac accgacagga 660
gatcctggta ccgcatggca ccatgagtgg tttgtccttc 700

```

<210> 2315

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2315

```

ccaaactggg cagaggagcg aggcctgctg gaggttccag ggacagctgc cccttgcccc 60
gccctagccg cagagggcaa ccttctggac acacgtggtg aggtagggag tccggcctcc 120
acctgagtc gggctcctgg gtccctgcac accgacagga gatcctggta ccgcatggca 180
ccatgagtgg tttgtccttc ccttgtcact ccaggccaca ccagacatat gaagcaacat 240
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cccaaagtga cacctcaaaa agggaagctg ccctcgccaa gctccaattc cagtttggcc 360
tcttggtatt ccaggttcc tggcactggg gagggtccagg gaggcctggg aggatctgag 420
ggtggttaac cctcaaccac atgtggtctc tgcatctatt cagccaagct tccgggaggg 480
tttgctgcgg agtacgcacc tcacaggccc cttgcactcg gagagctcac ttctggtggt 540
cccatggggg gggggacagg gagcacaagg ccacactca taggcagaga catggagacc 600
atctgctgtg atgggggaga cacaaggtca caggagggtt tgagaggtca gcccatgttg 660
cactggaatg gcaagtttga gagggccaggg gacctccagg 700

```

<210> 2316

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2316

```

tcacaggccc cttgcactcg gagagctcac ttctggtggt cccatggggg gggggacagg 60
gagcacaagg ccacactca taggcagaga catggagacc atctgctgtg atgggggaga 120
cacaaggtca caggagggtt tgagaggtca gcccatgttg cactggaatg gcaagtttga 180
gaggccaggg gacctccagg aagactcagt cagttgtggc catgtgggtc cggaagtcag 240
ggcatttggg agtcactggt aaagaggagg ctcccaacac cagaggggct gtggagagtg 300
agccaggcag aaagtagtgg cggggtgtca acttttgagg atggccaagg acaatgagac 360
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caccatgcac atcactcagg cagaggagtc cttgtggaca caaacgcccc atgggtgtgc 480
caggccttcc caccacagt ccctccctga cctgtgtcta ctactgcct ggtgtactcc 540
ctctagggcc agaaatgcat cccctgctcc tgagtctctg ctctgagcct catctctggc 600
tgggaggatc atcaggcacc cagagggggc acagcctatg tgtgccctct tgggaagagc 660
catcgggagg tgcattaaaa atcaaaagca ggagaaatca 700

```

<210> 2317

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2317

```

ccctccctga cctgtgtcta ctactgcct ggtgtactcc ctctagggcc agaaatgcat 60

```

```

ccccctgctcc  tgagtctctg  ctctgagcct  catctctggc  tgggaggatc  atcaggcacc  120
cagagggggcc  acagcctatg  tgtgccctct  tgggaagagc  catcgggagg  tgcattaaaa  180
atcaaaagca  ggagaaatca  tgagaccaga  agcctgtata  atttctgaag  tcctgcaggc  240
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ccaggccctt  gcccggtctg  cgcacctgca  tccccctgga  actgatgggt  cagaattgag  360
gtggcagatg  tgggctttct  gctctcagca  ggacgagtgg  ttctggaatg  agcctcctcc  420
aagactcttc  tggatccctc  acgggtccct  cagactttcc  ctgaggccct  gtttgggcag  480
gcacagctcg  ctgcatgtcc  ttggcctgtg  gcctgcccc  tctgagcccc  ggctggctca  540
ccccacaggg  catgcagcac  tacttttgca  ggctgttggg  agatgcactg  gatattctgca  600
agggaaagtg  tttctgtttt  ggttttctgt  tttggcttgc  taggtgcctc  catctagcct  660
cagtctcgct  gtccatcaaa  gagagggaat  ggttaccagg  700

```

```

<210> 2318
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2318
ttggcctgtg  gcctgcccc  tctgagcccc  ggctggctca  cccacaggg  catgcagcac  60
tacttttgca  ggctgttggg  agatgcactg  gatattctgca  agggaaagtg  tttctgtttt  120
ggttttctgt  tttggcttgc  taggtgcctc  catctagcct  cagtctcgct  gtccatcaaa  180
gagagggaat  ggttaccagg  gtccggacca  gcctcccagc  cttctcattc  cctggagggtg  240
agtgtaaatt  taggtttccc  tcatgggaag  tgggcctgtg  tagaccctc  cccaggggcc  300
taaagcctcc  ccaccccagc  cccaggaggc  aaacgccacc  tgcatoctgg  tgctcgagcc  360
tgactgatgg  caaagtgggt  gagccataca  gattttccag  aaagagccag  cttggaacac  420
caggacaggg  aaccatcctc  ctcagtcttt  ccacttgtcc  tgggtggggg  gagggtggtcc  480
aaggctgcca  ggggcagctc  ttgagtctgg  ccatcagcct  gggagagcag  gggagtcatg  540
ttgatcacag  acccactgca  tggggacatc  ctccctgatt  caaggctctc  tgaatggtag  600
tggcggtctg  ccagtgtttt  tattccttat  gctcaggagg  gcctcgcccc  agcccatggg  660
atcaggacac  agagcagggtg  cgcagctggg  gctcacgaag  700

```

```

<210> 2319
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2319
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tggggacatc  ctccctgatt  caaggctctc  tgaatggtag  tggcgggtgc  ccagtgtttt  120
tattccttat  gctcaggagg  gcctcgcccc  agcccatggg  atcaggacac  agagcagggtg  180
cgcagctggg  gctcacgaag  ggaggcaggg  aaggagaccc  ctgctctgct  gctcggcctt  240
cgctccggcg  cccgtgccc  tccgttgctt  cccacagct  gtccctccctc  cctgacaccc  300
tgacttggcc  cctcagggca  cacacatcat  ccacacagcc  tgctgtcctt  gctgcccgtc  360
gatctccagc  acagcccact  ttccctccag  gaaagggctg  agtctccaag  tgcaggcccc  420
aggcaagtct  ctgccaaagc  aggtcccggg  agcaccctgg  gtcaagggct  catgagtctg  480
aggaggaggg  aaggaggcct  cacaccagaa  ggattccatg  gacccacag  ggcaggggagg  540
gctcatggaa  gggaaagggg  aggggtcact  catgagccat  ggctggagggt  agagttgagc  600
ttggggctct  tggggagcct  gagtgggagc  tggaggaggc  cttgacaacc  agccatggca  660
ggggacagct  gggagccagg  gtctctctca  gaagttcctt  700

```

```

<210> 2320
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2320
cacaccagaa  ggattccatg  gacccacag  ggcaggagg  gctcatggaa  gggaaagggg  60
aggggtcact  catgagccat  ggctggagggt  agagttgagc  ttggggctct  tggggagcct  120
gagtgggagc  tggaggaggc  cttgacaacc  agccatggca  ggggacagct  gggagccagg  180

```

```

gtctctctca gaagttcctt aaggcatggg gacagagaca aagaggagca cagaggacca 240
cctccctgga tctaagcccc caatgtgtgt gttgggtgtg gggagggggg gccaggtagg 300
aggacaggac agatgggcgt gtagaggcat ttactgggca atatgagagt ggtagaggta 360
gaagcatgga gctgaggcgc taaggctgcg ctgctcactg tgggcctgga accaggagggt 420
tgtagggcag aagttaacac gggaggcttg gatccagtca aggggagacc ccaggcacat 480
ccagggtcag acttaaaaga attcctgggc ctgagtgggc attagtgaac cactgttgct 540
taaggattca gaggtctctg actcaaataa ccttcatttt tctgcctcag tctctgtctg 600
tgtaatgggg ataatcacag cctgggtgcc tgggtcattg tggggattct ttgagtcctt 660
tctcagtcca ggagggcagc agcaactttg ctgaccaccc 700

```

<210> 2321
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 2321
attcctgggc ctgagtgggc attagtgaac cactgttgct taaggattca gaggtctctg 60
actcaaataa ccttcatttt tctgcctcag tctctgtctg tgtaatgggg ataatcacag 120
cctgggtgcc tgggtcattg tggggattct ttgagtcctt tctcagtcca ggagggcagc 180
agcaactttg ctgaccaccc tcgttgagct tgacctgagg ctttcaaggg ggaaagttgg 240
gcccctagcc cccacccctg gtccacacca cctctgcctc ctctccctct ctcccaccat 300
gggtccccc a tcttctctggg cccagggtatt cccctctgct ggaccagccc ctatttctctc 360
cagcacctct ctccctctgc ccttgctcct tcttggttgg gttaaacaca cagtgtctgc 420
catggctcca tctgttcctt ccgcctccct ccaccacccc ctctcaggc cacagtcctc 480
cagtcttacc gtctccacag cgccagctct gggctgggct ggctgggat cagagagggga 540
ggaatgggga gaagagacta gctaagacct agaggtgcct gggggccagg ctggctgggc 600
tccaggggca aaagcagtga cccagggcac agccttcacc ttggacactt ggcaccacgc 660
cacactctgg cctctccact gcttagtctc tctgtgcct 700

```

<210> 2322
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 2322
cggccagctct gggctgggct ggcctgggat cagagagggga ggaatgggga gaagagacta 60
gctaagaccc agaggtgcct gggggccagg ctggctgggc tccaggggca aaagcagtga 120
cccagggcac agccttcacc ttggacactt ggcaccacgc cacactctgg cctctccact 180
gcttagtctc tctgtgcct ccgcttacct tgtcttctcg acctccatgc cctcctcccc 240
cagggcatct gcctccttcc ttcctgtgct ttttccacc ctctctgct ggatgaactt 300
ctctctcagg ccccttctgt gccacccatg ggcagtgcct ccgatgaggt ccacgcccac 360
ccatcggtcc tgtgctgtct gtaatgaccc ccaccgcaact gtgctgggccc aactgcacaa 420
ggccaggagg cctgaaaggc ctggcccagt gtctcaccta tgcccgcacc agcctggggg 480
agcgtggag ggtcctcaga gcagttgtc cactgagtc aatgggggct tgagtcagg 540
gcaggaggaa cagagccctt tcctggagt ggaggattcc tgtcaagggg tgaggcttgt 600
tgtgccttct gagttctgcc ctcttaggc acttgccctt ctgtcaattt tcccttttgt 660
ttatttttct gcatttccaa gtttttcagt aaagagtata 700

```

<210> 2323
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 2323
gcagttgtct cactgagtc aatgggggct tgagtcagg gcaggaggaa cagagccctt 60
tctggagtg ggaggattcc tgtcaagggg tgaggcttgt tgtgccttct gagttctgcc 120
ctccttaggc acttgccctt ctgtcaattt tcccttttgt ttatttttct gcatttccaa 180
gtttttcagt aaagagtata tacgctttcc catcttctcc tccaatgaaa aacaatagtt 240
tttgtttttt ttttttgaga tggagtctcg ctccaacaat agtttttaag tgaaaaataa 300

```

```

aattcctggc tgagagctgt aatccacctt tccccctgagc agacacctgg gatgtgggaa 360
ggcaggaact tgggccttct ctggtggttc tgggatttat aatggggcga tgctgcccc 420
tggcgccatc tggacacaca gacctggccc aaaggacagg ctccacatcc taatgccatc 480
acagtgggga ttcaatttta acatacaaat ttggaggggaa cataaacctt ctgtcaaagc 540
atgtagaaat tccccagcc tgtccaggaa ctgactgcca cttggttctg gccccagtct 600
ggctttaagc tgcagtctat actattccag aaggtcagcg aggagcccc agcgcctctg 660
aaaaggccg cccactgccc tctccagcat gtcacctccg 700

```

<210> 2324

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2324

```

acatacaaat ttggaggggaa cataaacctt ctgtcaaagc atgtagaaat tccccagcc 60
tgtccaggaa ctgactgcca cttggttctg gccccagtct ggctttaagc tgcagtctat 120
actattccag aaggtcagcg aggagcccc agcgcctctg aaaaggccg cccactgccc 180
tctccagcat gtcacctccg cgtgccaccc tccgccagcg acaggctctg acgactggcc 240
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gtggcaagca gcgactcatc tgggaacatg gggctggggc acaaatgctg cctcagccca 420
ggatgaaaac aggactagct gtcacgtgcg agaggaggag aaagtgaggg ctggggggag 480
ctgggtgtgc aggagacttg ggaaacccag tccagagtca gacctctcac cctaccctct 540
caggcctggc tcctccagga cctctgaagt gccctgagac cagtggcaca cacctcccc 600
tagtggtcaa tccagaaact gcagcagcat cctctgtatc tcctcccagg ctaagtccaa 660
caacagacat cccctggtcc ccaggcaatg ccctcagtga 700

```

<210> 2325

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2325

```

ggaaacccag tccagagtca gacctctcac cctaccctct caggcctggc tcctccagga 60
cctctgaagt gccctgagac cagtggcaca cacctcccc tagtggtcaa tccagaaact 120
gcagcagcat cctctgtatc tcctcccagg ctaagtccaa caacagacat cccctggtcc 180
ccaggcaatg ccctcagtga gccaggctgg ggagagggtg ggggaggggg aaaagagagt 240
tcttctgtgg gaacataacg attttttagg gggaagaatt tagggaaata gagtctctgag 300
cctgtagcag ataaatcttc catcatctcc agtcccatc aagcagccgg gctgttcctt 360
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ccctgcacct ggtgtcagcc tctgacgctt ttctgggact tgagagggaat cagagaggat 480
gctattgctg cttacgtggt gacagaggaa ggccccctctg cccctccttc cactggcaga 540
ctgagtaggg ccacagggtg gtgtgcaggg gagttagagg ggggcactca gggctaaagg 600
gccagggtgt agactgaagc cactctggg atgtcccagc ctctgcctt ctgcctccag 660
gctggtctgc accacctccg tgccacagtg gctgtccctc 700

```

<210> 2326

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2326

```

gacagaggaa ggccccctctg cccctccttc cactggcaga ctgagtaggg ccacagggtg 60
gtgtgcaggg gagtttagagg ggggcactca gggctaaagg gccagggtgt agactgaagc 120
cacactcggg atgtcccagc ctctgcctt ctgcctccag gctggtctgc accacctccg 180
tgccacagtg gctgtccctc cagtgggtcc ctgtgtaccc acctatttcg gaggagggcc 240
ccatcctggg atggtgtgga cagtccagag gtgggcagag tttgagttgg tccatggaat 300
aggaactcat caagccaagt aagggcagtc cagactgagg tgacaatgtg gatagaagct 360
ccagggcagc aagagaggct tcatggaagg ctgtctagga agtcccagca ctctgtttg 420

```

```

ctggagcatt gattaggggtg gtagccatgg gggaaacaga agcaacagat ggaggtgagc 480
cttatacggtt gtcctaagga tatggacaag gtccagaaga ccccgaggac tgggggattc 540
agtatagatc cacatgggtca gatttgcatc ttctaaaact ccatctggct cccagtaga 600
gcacagatcg tcaggggtgtg gggtccaggg ctggccggga ggcctacagg gtggctgcta 660
aatcatcagg caggagaggc tgggggctta ggcaggggtg 700

```

<210> 2327

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2327

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tatggacaag gtccagaaga ccccgaggac tgggggattc agtatagatc cacatgggtca 60
gatttgcatt ttctaaaact ccatctggct cccagtaga gcacagatcg tcaggggtgtg 120
gggtccaggg ctggccggga ggcctacagg gtggctgcta aatcatcagg caggagaggc 180
tgggggctta ggcaggggtg gagactccag gcttggaggg ttttaaagga atggaatgaa 240
gaattgggtg gcttgtgtca gcagaacctg ctgccttgag ggggtcaggg gatgttgatc 300
cctgatgttg gccctgggag gagcaggggc ggcggtgca gtttctggaa ggaccactag 360
ggggagacat gccacaggat tagcatgctc cagaccacag ggacctgaat tcaagcccca 420
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acgggagaaa catactcttg gttgggggtga ggaataagtt agatagcata ggtaaaatgc 540
tcagaacggc tcctggtacc tggtagcagt tctgtggatt ttcaagattg ctagggttat 600
catcaccttt ctggaaatgg ggggtggcagg agggcagtggt gagaacaagc tcaccagac 660
agcatccacg tggcaggatc aagccacca ggatttgtgg 700

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<210> 2328

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2328

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gttgggggtga ggaataagtt agatagcata ggtaaaatgc tcagaacggc tcctggtacc 60
tggtagcagt tctgtggatt ttcaagattg ctagggttat catcaccttt ctggaaatgg 120
gggtggcagg agggcagtggt gagaacaagc tcaccagac agcatccacg tggcaggatc 180
aagccacca ggatttgtgg cacaccagtc tcccttaaaa tggtcactaa gtcccaagtc 240
aaattgagac actggttaaca aagcagttgt tcagagtcta gtttattctc acacatccct 300
aggaaccagt ttaaaactcg aggtacaaat gaacatgctc cccacccac tctgagtttt 360
ttgcagaagc agcaggacat ggctcctctg ctaaaataaa tacagttcac actccaggca 420
ataaataaat aaatacatac atacataaat aaatagtctc aatgggataa aaatgagaac 480
acaaccgcac aaggccaaat gggagctgca catttcagaa attagataat taacaattca 540
tctgatgccg caggaaaagg tgaaatgctt ctggctcctgg aatgtgtgag agatgaccca 600
gaggtttcag aagttctgct gtttttgatg tcccaggcn ctgtggtgag aaggcccaga 660
gaacgagctg gacgttggac tnaaaagatc gcgaggctca 700

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<210> 2329

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G


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<400> 2329
gggagctgca catttcagaa attagataat taacaattca tctgatgccg caggaaaagg 60
tgaaatgctt ctgggtcctgg aatgtgtgag agatgaccca gaggtttcag aagttctgct 120
gtttttgatg tcccgaggcn ctgtgggtgag aaggcccaga gaacgagctg gacgttggac 180
tnaaaagatc gcgaggctca aagtcgtctg ttgagcctgc gcattctcaa gggttttcag 240
atagaacgtc agtttcctcc ggaattcatt ccagtcaccg tccttgatat ggattggatg 300
tcgctataaa gaaaccaaga aggtggcatt aggtgagtcc aggctgtaat ggtgatgacc 360
agctgaggag caagccatga cgggcatctt gggggacagc ttaccgtggg tgcggccgtg 420
gccaggggca gacatggcag gagattctgt ggaaagagac caaagcagat ggtcagagat 480
tcccttggaaggaggagtggg ccctgctctc ctccccagag gcagggcagg gccaacacag 540
ggatcccaaa ccctcaacag cttcacatac tttaagaatg ctctcaattg ctgatgcggt 600
ctgtaaactc ttgacagccc tgttgaatgc ctccagggtt ggccttcgaa ggttattttc 660
ctaacggggc agagaatata cttaaggggg aaaggttaca 700

```

```

<210> 2330
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2330
ccctgctctc ctccccagag gcagggcagg gccaacacag ggatcccaaa ccctcaacag 60
cttcacatac tttaagaatg ctctcaattg ctgatgcggt ctgtaaactc ttgacagccc 120
tgttgaatgc ctccagggtt ggccttcgaa ggttattttc ctaacggggc agagaatata 180
cttaaggggg aaagggttaca gagtatccct cccacaagca ggtggaagtc acccccacag 240
tttcccaagc ccaactgttg ggacatcctc gggttccctc ctagtcccggt tcttgccctca 300
ggtgggtccc tgcccaaggg cacaggccta gaagtgagtg gcaggcagga cctggtttcc 360
tcaagcccc agtctctggc tcattttgag ctacataaag ggcctagggt ggctgggcgc 420
agtggctcaa gctgtaatc ccagcacttt gggaggccga ggcaggcaga taacctgagg 480
tcgagttcaa gaccagcctg accaatatgg tgaaccccg tctctactaa aaatacaaaa 540
atgggagtgg tgggtgcatgc ctgtaatcct agctacttgg gaggctgaga caggagaatt 600
gcttgaactc aggaggcaga ggtagcagtg agctgagatc gtgccactgc actccagcct 660
gggcaacaga gtgagactct tgtctcaaaa aaaaaaaaaa 700

```

```

<210> 2331
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2331
accaatatgg tgaaaccccc tctctactaa aaatacaaaa atgggagtgg tgggtgcatgc 60
ctgtaatcct agctacttgg gaggctgaga caggagaatt gcttgaactc aggaggcaga 120
ggtagcagtg agctgagatc gtgccactgc actccagcct gggcaacaga gtgagactct 180
tgtctcaaaa aaaaaaaaaa aatgggtggg gaggggggtac ctagggtgat ctttctgcac 240
ttgggggaaa aaatatctcc aaaaagaagc tctacaaaag acaggggggt ttccaaggga 300
agtatttgta gctcagaggc tgataacagt gttcatgccc tgactgaatt aaagtctcct 360
agaaatcaag aagaaaatca cagagacccc agcatggaaa tgggtgcagc atgtgagctg 420
tgagtgcccc aaacacagat ggcccaggaa ctcagcaaag gtttccactt cttgtttgac 480
ccaagaaatg tcatgcaaag gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa 540
taactgtaaa tgataatgcc acagccaatg aggggtggaaa acacaaaactc aattttttta 600
gggaaaaaaga agctggcaca tctgaggggg aaatttctgt ctgtcagtc cagagctctgcc 660
ctaccaaaaca ctgaccttaa ggccttgggt attcctcacc 700

```

```

<210> 2332
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

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<222> (1)...(700)

<223> n = A,T,C or G

<400> 2332

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gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa taactgtaaa tgataatgcc 60
acagccaatg aggggtggaaa acacaaactc aatttttttaa gggaaaaaga agctggcaca 120
tctgaggggg aaatttctgt ctgtcagtc agagtctgcc ctaccaaaca ctgaccttaa 180
ggcccttggg attcctcacc tagaactgcc ttttcatttt ctaattttaaa agtcattttc 240
attattatag ccatggctgt ggccatgtat tgaactctta agtgccagat gctgggccag 300
aacatgcaca ttgtgccatt tgattgtcat aacaatccca ctgagatagg tgctattaac 360
cctattttac agatgaagaa agcaaggcta ggtaagatgg aatgacatgg ctgaagtcac 420
ccaggcagga agtggatcgg gatccacggg ctgagctctt accatcagaa tgtcttgggc 480
ttccccattg aggttgttga agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc 540
ttttggcctt aggcagccac caccctcac tgctgcaggc cagtcttata caagctactc 600
accagcaaag gcaaagggtg ctgctttaag tgtgttataa tttcatcgat catgttagag 660
cagttaaccc agcttgtctt caaggncgtt gtctgggtca 700

```

<210> 2333

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2333

```

agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc ttttggcctt aggcagccac 60
caccctcac tgctgcaggc cagtcttata caagctactc accagcaaag gcaaagggtg 120
ctgctttaag tgtgttataa tttcatcgat catgttagag cagttaaccc agcttgtctt 180
caaggncgtt gtctgggtca tgggagcttg gagtccgggg cggaccagga gttggagcag 240
gagcaggacg ggcaggcggc tcatgttttg atcggcagga ggcactctgt cttgttctgg 300
tccttcgtgg ggctctgaag agttggcaac aacctccgc cttatatgtg cagcagcaag 360
gtgcccacaa ccccgggcaa ggcgggggga ggtggtggtg tggggcaggc gtcggaagga 420
tctttatctg acatggaacc tccatagaaa accacagacg taattattca tccatgactt 480
tctagtactc aagatcagtg aaacaagaaa aaagattact taaacgttat cacttcatct 540
tgtcaaggag gatgagagat ggggaagcat gcagcagggt agaggacccc tgtggcagga 600
aggggaagcc tgactcagct cactgaggcc tctgcccag tgggatctca tctgccatca 660
cctggactac cctggccctc tgctgcccgc cctgcttggg 700

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<210> 2334

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2334

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aaacaagaaa aaagattact taaacgttat cacttcatct tgtcaaggag gatgagagat 60
gggaagcatg gcagcagggt agaggacccc tgtggcagga aggggaagcc tgactcagct 120
cactgaggcc tctgcccag tgggatctca tctgccatca cctggactac cctggccctc 180
tgctgcccgc cctgcttggg cctggtgggt ggccaggagg ccactggaac agatgagagt 240
ttgtctggta gccggtcacg ctgctaaaca tccacgttca gcctcaggct ctgagaagca 300
catctcttgg tgccgcttcc caatacagaa ttactgggtg tccagtcctc agtggtttgg 360
cccatgggct tcgggcagct tctccttgac actttgtttc tgggtggatgg ccgagggcgc 420
tcaggcccca ggtggccatt ctcttactgg tctgctagca gtggcatggc tgttccctgc 480
gtgtgggact cagcctctgc agggagcccg gctgcagccc ctggcagtc ctctggtagc 540
accgagagct gagctcaggt acctgaggac actgtcactg ggagctgggg gaggggctgg 600
cctgggaggt ttaggaggca gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa 660
aggagagcaa ctccctgggt tcagactggg cctcaggctg 700

```

<210> 2335
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2335
 aggaggcccg gctgcagccc ctggcagtc ctctggtagc accgagagct gagctcaggt 60
 acctgaggac actgtcactg ggagctgggg gaggggctgg cctgggaggt ttaggaggca 120
 gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa aggagagcaa ctccctgggt 180
 tcagactggg cctcaggctg ctggggcagg gattggcagg agacagttgt attgagaggt 240
 cttgatcccc gtctgtgctg agcatggatt tgccagggtg aggcccagta ggcaaggttt 300
 gcagagaggg gatgtgagtg gggacagacc atggggaaat ccacaaggga cctgagaaac 360
 tgcagccaga taggaagcag gaaacccaga agggcggggg tggttatccc agagggcagc 420
 ccctgagaga agaggggtcc tcctgatacg ggctgtctt ggggcctgcc tgaccacccc 480
 catggggtag gggcttttgg taaagggatg agtgtgacag gggcatgtgg aagacttctt 540
 caagatgatt ggccccgggt gggagggaga ggagagcagt aaggaaaggc cagggctctg 600
 gtcattgggtc ggtgtgttgt gatcagtggt ggggatgcgg gataggaggt tatgctgagg 660
 cagcgaatt tgggtgcttt gggcttctga gcataagcag 700

<210> 2336
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2336
 taaagggatg agtgtgacag gggcatgtgg aagacttctt caagatgatt ggccccgggt 60
 gggagggaga ggagagcagt aaggaaaggc cagggctctg gtcattgggtc ggtgtgttgt 120
 gatcagtggt ggggatgcgg gataggaggt tatgctgagg cagcgaatt tgggtgcttt 180
 gggcttctga gcataagcag atcagggtgaa gacaaggacc aggatgtggc tgtggggagg 240
 caggtgaaga ggctgtgact caaggccatg ctgtgaggat gatttctgta gctgatatgc 300
 cctcctggct cagccccagg ctgggccctg gaccaggaag agccctaggt tctggacccg 360
 gagtggagtc tgacaggcac aactcaacac acagagggga gccttagcac cagcttgctg 420
 actccgtagg cacaattcat tcaacagacg tctacaaagc acttgctgtg aataaaacag 480
 acatggtaac ctccactagc agctcagctt tgtgaggaga cagatttcca gtcttgctac 540
 ccttctgtgt gtcccagacc tgcaggtcag cctgccccgg gagcttggtt gcgggtgtcaa 600
 ccctcaggcc ccagcccaga ctttctgaat caaaaatcgc attttgataa gatcctcagt 660
 gattcagtgat atttgagggg ctctgatcta actacctcag 700

<210> 2337
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2337
 agctcagctt tgtgaggaga cagatttcca gtcttgctac ccttctgtgt gtcccagacc 60
 tgcaggtcag cctgccccgg gagcttggtt gcgggtgtcaa cctcagggcc ccagcccaga 120
 ctttctgaat caaaaatcgc attttgataa gatcctcagt gattcagtgat atttgagggg 180
 ctctgatcta actacctcag caatcttagc tccggtaggg tccctattg cccacaggac 240
 ccagagtttg ttccctgcat actcaactgt accttggtgt tactgtctat gtaaactgtt 300
 tggggacttg tgcacaaata atgtgattcc ttacagagaa aagctgtatt ttttttagtg 360
 taagtgggct tttctagggg attttaaaagt tcaatgaatt taaagctgtg gagacaaaac 420
 attcctgtat ttttttttgt ttcttttaaa gtcaagactt tgtgttgtaa ccacacatgc 480
 acacaaaatc ctgaatagta gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt 540
 aaaaatgaat atataccagc ctgagcaatt tggcgaaacc tcatctctac aaaaaatata 600
 aaaaattagc caggcgtggg ggtgcacacc tgtggtccca gctacttagg aggctgatgt 660
 gggaggacca cctgagcctg ggaggtcgag gctgcagtga 700

<210> 2338
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2338
 gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt aaaaatgaat atataaccagc 60
 ctgagcaatt tggcgaaacc tcatctctac aaaaaatata aaaaattagc caggcgtggt 120
 ggtgcacacc tgtggtccca gctacttagg aggctgatgt gggaggacca cctgagcctg 180
 ggaggtcgag gctgcagtga gttgtgattg tgccactgca ctccagcctg ggcgttggag 240
 tgagaccatc tctccaaaaa aattatatat atacacatag tttattaaag gcaaaagagg 300
 ttgaggcttc atgctaggag cattggagga cttgcgggggt tttcaaccag gggaggcgag 360
 gtgaagctca ggtgcacctg ctgtggggga aaggatgaga aagttcaagg cagcagggtg 420
 gccagtggag agatattggg agtcctcttg aagacagggt gtgggaagct ggactaggta 480
 gggtcttacg ggggtggagag gactgggtga aggggaagcgc tctcacagct gacttctatt 540
 gagtggcact tgtgaagtgt ggagaactaa gttcttttca tggctgaact tgtaaatcct 600
 catgatgaac tgtgaggcag gtgctgttat tagccccatt ttccagatga agaaactgag 660
 tctcagagaa gctgagctga tgtagctagg aagtgcacatc 700

<210> 2339
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2339
 gactgggtga aggggaagcgc tctcacagct gacttctatt gagtggcact tgtgaagtgt 60
 ggagaactaa gttcttttca tggctgaact tgtaaatcct catgatgaac tgtgaggcag 120
 gtgctgttat tagccccatt ttccagatga agaaactgag tctcagagaa gctgagctga 180
 tgtagctagg aagtgcacatc actgggactg agataagcag aacagtccaa cccagaggct 240
 gagcaccccc tgggcagcat cggacaatga cggccttaaa ggatgatgcc atgtggcagg 300
 aggggacagc aggggtgagga tgagatgtaa ccactctgat tactgacggg gagatccctg 360
 aggcctctgg cggagtagtt tcagtgtatg gtggggcaaa gcctctggca gtgggctgag 420
 aagcgagtga cggtagagac gagggtagaa gattctttga agttttattt tgaaggaaag 480
 agggggatgg ggcagccaga ggagtcacag ggtcagagac gcaccttcca cacagaagtt 540
 tgagctcctt cctctcttaa ggaggtgagc cgggaatggg tgagatggct ggccggccag 600
 cacaggcaga gccccaccat cagctgtcac gggctcctcg cagagagctc aggggaagggc 660
 tgccctgggtg gcccgatcca tctgggtggg gtaggtgcag 700

<210> 2340
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2340
 ggagtcacag ggtcagagac gcaccttcca cacagaagtt tgagctcctt cctctcttaa 60
 ggaggtgagc cgggaatggg tgagatggct ggccggccag cacaggcaga gccccaccat 120
 cagctgtcac gggctcctcg cagagagctc aggggaagggc tgccctgggtg gcccgatcca 180
 tctgggtggg gtaggtgcag tgggggtggg ctggttggtc cacagggttg tgggtgggagg 240
 ggacaatggc ttctgtgttc tctgtgaaat agaggtcaag tcagcccctg aggtggggct 300
 agaagcaata aggggtggtga ggtttggtgg cttgagctgt gactacctgg aggtgacctt 360
 gaggggctgg cagcctgggg tcagagggcg agggaggttg gaggaccag ggccttggca 420
 ggcaagaata tggaaatggaa ggccccagag gcagggagtg gggccatggg agggagctgg 480
 gatgggcagg gaggccagct gggcagagca aaggaggcag gagggtggtg agccccggac 540
 cccggagagg ccagtgact gcagcccaat acctgctgcc gttcgatgaa ccaggaggga 600
 atggagggac atgttcttaa aagcaaacct cattccaaag gggctgccaa ggatatctgg 660
 gtagttggcc accacagcgc ttngtgcag ccttggaccg 700

<210> 2341
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 2341
gggcagagca aaggaggcag gaggtggtgc agccccggac cccggagagg cccagtgact 60
gcagcccaat acctgctgcc gttcgatgaa ccaggaggga atggaggggac atgttcctaa 120
aagcaaacct cattccaaag gggctgccaa ggatatctgg gtagttggcc accacagcgc 180
ttcngtgagc ccttggaaccg aggcatagcc tgggtcatcc tgggggtctc cttcaagggt 240
tgccttgact ctataggagc ttcattgcaa atcatgggca ccacttccct cctccagagg 300
cgacagtcct gccagccctt gaggagagac ctgggtccct gtaagatggg gattccaccc 360
caggcctttg tgtcaaccca gcccggctta ggggaaacct cctttgtggg ctgggctgat 420
tgctatcaag aagggaatg agcacacgtg cccaccctg gggcaggcat gagggagggt 480
gtgccagggc ccggacagga gagccagccc aagactgcag cccagggtct gccaaagccc 540
tggagggttc aggaggggtc tctggacccc tgtctaattg atccctgtgg gcctgaccn 600
nccctnnngn nnnngncacn ttgttgaag tcctggccct canggtccag tccaactaga 660
ggtacatgcc tccttcttcc catcactcac cccacagggc              700
```

<210> 2342
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2342
gagccagccc aagactgcag cccagggtct gccaaagccc tggagggttc aggaggggtc 60
tctggacccc tgtctaattg atccctgtgg gcctgaccn nccctnnngn nnnngncacn 120
ttgttgaag tcctggccct canggtccag tccaactaga ggtacatgcc tccttcttcc 180
catcactcac cccacagggc ctagtggaat tttctggggg acccgccaca ggcaagaacc 240
tgggcctcag tcaactgtgac aagctcctcc gccacccttt ccatggcatc acaagtgtca 300
gattttaatc gcccatgacc tcggttgtat ttccgctggg ggcctgatg acatcgccctg 360
gttttgtcac cacaaangca gctcagggtt cttggccagc caagcagtgc aaccagatgt 420
cccctgctca cctgagcaga gagctcagga aaaagccacc gagcgggccc agctggagag 480
ccctggcctc ctgtcccaan cnnngntctg actccatccc caagacctac acagcctcca 540
cctgtgcacc ctgcctttc tattccctgc tgcagggtca tggcttcctt gggggcccagt 600
cgngcagag cagaccctcc atcccaggcc cagtctaata gagaagacag ttggagaatc 660
cccatttaga atgatatgcc tgtgggagac agaagcccag              700
```

<210> 2343
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2343

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cnnngntctgc actccatccc caagacctac acagcctcca cctgtgcacc ctcgcctttc 60
tattccctgc tgcagggtca tggcttcctt ggggcccagt cggngcagag cagaccctcc 120
atcccaggcc cagtctaata gagaagacag ttggagaatc cccatttaga atgatatgcc 180
tgtgggagac agaagcccag aaatgaggca gcctcatcca gcctgcacca tcagagaaga 240
caggaggaaa ggacagctat gacctaaagg atgatctgga gccaggcaag ccacagaaga 300
agtgttccct agggagtgtt ggggtttggg ctgcagggtgc tccatctgtt ggctcaatc 360
cagggtcca atatctggat acctggggtg gccatatggt tcctattgtt attaataagt 420
tatgggcttt cagtgtctgt cactctcttg ttaccacact gaaatacaaa gctttggaag 480
atgcattcct attgcattta tcatatctat cgcagacaaa accaagagct ccccgttctc 540
aaagaagctg ccccaaaact gtgaggtgac aagggttggg cataaatgct aagaacctgg 600
cagtccaggc cctcaggaaa tgctctctta agtgggggag acttcacatg gagcattagt 660
tgtgtagatg atgttgccat gcgaagtctt gtctgcctcc 700

```

<210> 2344

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2344

```

tcatatctat cgcagacaaa accaagagct ccccgttctc aaagaagctg ccccaaaact 60
gtgaggtgac aagggttgggg cataaatgct aagaacctgg cagtccaggc cctcaggaaa 120
tgctctctta agtgggggag acttcacatg gagcattagt tgtgtagatg atgttgccat 180
gcgaagtctt gtctgcctcc caggagaga ggggaagggc cggcctgggt gggcagctgc 240
aggtcagagc tgtccaggga aggacaggac cagatgctag ctaggcaggg gcacagacag 300
accaggtga gctcagagcc aggtgcctc tcagccgtgc ctgctctgtc ttatcttctc 360
tgggtgaggtg aggagaaacc ttttacattg tttccagcct tactgatctt ttctttacag 420
aaaatgatga ataagttgat gtgtttgtcg tggaggttcc atatcagaaa agagtatcag 480
tccactgggg cttctcccca cacctcatca tcccccccaa cccccacacc cctgaatct 540
cctgcaccgc cctcaccgt gctgggctt tacagaggat gtgggcccagg ccacttcaga 600
tccacacagg ttagggaaga ccacggtacc tccaagcagt acagatatgt ggagaccggt 660
ttgcctcccc ctctctctca tccttcttcc tctcagcctc 700

```

<210> 2345

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2345

```

cacctcatca tcccccccaa cccccacacc cctgaatct cctgcaccgc cctcaccgt 60
gctgggcctt tacagaggat gtgggcccagg ccacttcaga tccacacagg ttagggaaga 120
ccacggtacc tccaagcagt acagatatgt ggagaccgtt ttgcctcccc ctctctctca 180
tccttcttcc tctcagcctc caaaagcccc taccacaaat ggccattaga atccagacta 240
aagacaactt cttgaacatc atccttgaaa tccagtggca actgagcacg ccctctatga 300
gtagctggtg ccagatgggc acagggtagg aacagctccg ctcgccccca ggccaggcac 360
tcatgggttc ttgctcttcc cctgcagaaa ggtgagatcc aggagcaatg gatcctgagg 420
tgggcacaca gccccgaagt cccactgccc tccctaccag tcgtcactgc cattgtattg 480
ctggtcactg ctctgggctt gggcacattt gggtgaggcg cacctgcagg gtcacactgg 540
agtcagcctt tatctggcat cttcactgca gatgcatcca ccagcctatt ctttgctca 600
tggaggatgt gcgtggtaga tgttctttgc caagtgtggg agttgtaata ttcacattgg 660
cacagctggc ttcttcttct ttgcatcctg gaagctgggt 700

```

<210> 2346

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2346

```

gggcacattt ggggtgaggcg cacctgcagg gtcacactgg agtcagcctt tatctggcat 60
cttcactgca gatgcatcca ccagcctatt ctttgctca tggaggatgt gcgtggtaga 120

```

```

tgttctttgc caagtgtggg agttgtaata ttcacattgg cacagctggc ttccttcttt 180
ttgcatcctg gaagctgggt cagaaagtgc ccgtataccc caggcccttg cccagtgcac 240
ctggagccag gaggcacgat ggtccctgcc ctgcccggcct gtgtcagact gtgctgtgac 300
ccgcttggct gctgtgctcc taaagcagct gggttcctcc tggggcctgg gcaggacaga 360
gctgggggag gtgatggggg aactagtga ggccacccca gaaaggaggc aggggaatgg 420
caaacaaggc cacaaggaca gcccttcctg gccgtaccac acacacttgg cccctgtaga 480
acaccacctt tctgaagcct aacctggctg ccttactgaa cacctcaaag ctctttaaac 540
ctcatcttct ttatccattt ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga 600
gcgtccctct gtcactggag tctctgtgtt ccagaagag cccgttccgg gtcaaagtac 660
ctgcccttgt cctgcccttt cccaacagag aacagcattt 700

```

```

<210> 2347
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2347
aacctggctg ccttactgaa cacctcaaag ctctttaaac ctcatcttct ttatccattt 60
ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga gcgtccctct gtcactggag 120
tctctgtggt ccagaagag ccggttccgg gtcaaagtac ctgcccttgt cctgcccttt 180
cccaaacagg aacagcattt ccactccacc tctgcccccc aggttcttcc cctctccact 240
gccagcagcc cctccagggc tgggccaggg ccaccaccca ggaccttctc agtcttttca 300
aaaggccctc ctggtctatt tggcttccag aaagtactg gcctcttttg tctctggccc 360
acaggaactc ctgcaaacct tgcccatctc cacacctaca cccagggaag gctgccacct 420
gggctgggat gccactgcc ccaggctgag caaggtaact gccacgacct ttccaccttc 480
tctacacctg acccaatgtt ctggtttctt caagggaata acagcggtg cacatcgaag 540
aaagcaattc taataacttg ttgaatagct tcccgagaac cctgggtgat gttgggctct 600
tgctaccaac caaatctctc atgcctttgt tcaggctctt gaactcccag gcctgagagc 660
tgggctcagg tcctgggtca ccaatattcc ttctcgatat 700

```

```

<210> 2348
<211> 566
<212> DNA
<213> Homo sapiens

```

```

<400> 2348
ctgggtttctt caagggaata acagcggtg cacatcgaag aaagcaattc taataacttg 60
ttgaatagct tcccgagaac cctgggtgat gttgggctct tgctaccaac caaatctctc 120
atgcctttgt tcaggctctt gaactcccag gcctgagagc tgggctcagg tcctgggtca 180
ccaatattcc ttctcgatat ccaggaata ctccactctt tgttacagac gttggcagtt 240
gaaagtttag ctctggaatg agccgctcag ttttcatctt ggggatactg acaatcatgt 300
gtatttatgt tgcagattac ttaacggtta ttactttgt tgtgaaaata ttttatttta 360
ttaaggagc cctcttagga gcctctgagc agagctcaga gcgggtacga gagcatctac 420
atttctctct caggtttcag taaattcctt ctctctggg aaagttagca cttttagag 480
gggtcccttg tcagcagtg tgcatttcta gaaggcttct ccatttgact tgggtctggg 540
ttgcaatttc cacactccac agttaa 566

```

```

<210> 2349
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2349
cactgcaacc tctgcctcct gggtaagca gttctcctgc ctgagcctcc tgagtagctg 60

```

```

ggattacatg ngactgccac cacacccagc taattttttg tatttttagt aaagatgagg 120
tttctactatg ttggccaggc tgggtctcaa ttcctgacct caggtgatcc acctgcctca 180
gccnncnna nngnnnnngnn nnnannngng nnnnnnnng tgcccagcca acaatatgct 240
ttattatctg atagagctag tctctactta ttactcttct atttcagaac cttcctagct 300
attcttccat gcttattctc cctaaggcat tttggtatca ttttggttaa agtccctactt 360
accatttcac tttctgcac tgctctaagg tttctggaag agtcattccc aaactttcag 420
ggaaaaaaag ggtgaagatt ccaatcagga cagtcagact acccatgacg atgtagggca 480
gcattctgtt gtaagcacct gtaaagcccg ggacataaga acatcaatca gataggagga 540
ctctctgggc actcttgagc atcattttgt gaagttggtg aacagtataa gagaatggat 600
ttaaatctga acattttcag agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag 660
atgacattgt gcatgtctat aatccttttg cattatcata 700

```

<210> 2350

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2350

```

gtaaagcccg ggacataaga acatcaatca gataggagga ctctctgggc actcttgagc 60
atcattttgt gaagttggtg aacagtataa gagaatggat ttaaatctga acattttcag 120
agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag atgacattgt gcatgtctat 180
aatccttttg cattatcata aggccttttc ttctttcctg tcaactggta tcctctaagc 240
tactactcag tcatgtgtga cagatgttcc tttggtagag ttctttgcct accagagttc 300
tcctcttaag gtggaggtaa ttggaaatgg gggatgggag gacatcaagg agaaggaggt 360
taaccaggat gtttcaggga taggttttgg cnatgatagg tctggcatga ctctgctttt 420
gccaaacta gtaggctgca gtggaaagtt aggtccacag ggctatgaga ctcaaaaaaa 480
aaaaaaaaa aaaaaaaaaa aactaagtat tatgttctact tcagattaaa tcagtaaatt 540
ataagtatca ggcacattct gtaaaggcac tgtgtgcctg gatttggctt ctttttggag 600
cacttacatg tcttgggtta atatgtaatc tctttgtgaa gctttactca cacaggagaa 660
aaacagatcc tcatcttgct ttgcccctgt atacatacag 700

```

<210> 2351

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2351

```

aactaagtat tatgttctact tcagattaaa tcagtaaatt ataagtatca ggcacattct 60
gtaaaggcac tgtgtgcctg gatttggctt ctttttggag cacttacatg tcttgggtta 120
atatgtaatc tctttgtgaa gctttactca cacaggagaa aaacagatcc tcatcttgct 180
ttgcccctgt atacatacag agcttacaga ggaacagcac acccatggat ttcatttgac 240
ccaaaacata aggaaaatat tgttattgca gcttctctga ggctctgtg tactaacag 300
gagtagctgt gtggagtagg agactcttgg actccctgtc ttatgtacca gtgtctgacc 360
actggaccat ctgagcatag tttgaaatag tttgaaagta caggggaagga caaagggaaa 420
aataacacca ctctgtataa tctgctatct caggtgtggc acagggcaac tgtgcagaat 480
atgtttgtta ggaaaatgtt tctctttctc tgtaagggtt tggattatac ctttcttgag 540
aattcataca tgttttcagg tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag 600
taggtaacca attgccaat tgatgaggtg tgtctgcatt tctcaccagt agagtcctta 660
atgaggacca ggcattgggt gtcagatcct acatcagatt 700

```

<210> 2352

<211> 700

<212> DNA

<213> Homo sapiens


```

<400> 2352
tctctttctc tgtaagggtt tggattatac ctttcctgag aattcataca tgttttcagg 60
tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag taggtaacca attgccccaat 120
tgatgagggtg tgtctgcatt tctcaccagt agagtcctta atgaggacca ggcattggggt 180
gtcagatcct acatcagatt gaacatgccg ctgaaacacc tctgtagttt catttcagat 240
tgacaccttt gagtatataa aaactaaaat tgtcttcatt acaaagatat cataaagtga 300
aaatacaaat ggtaaaactag gaaaaatatt tacaacatat atacaagggg ctaattttctt 360
ccattgcaaa gagtttgcac aagtcaaaaa gaaaaagatg aatacacctg ttgcaggaag 420
ttagggaccc cgaaaggagg gactggctga agccatggca gaagaatgtg gattgtgaag 480
atttcattgga catttattag ttccccaat taatactttt ataattttctt acgcctgtct 540
ttactgcaat ctctgaacat aaattgtgaa gatttcattg acacttatca cttccccaat 600
caacaccctt gtgatttcct atgcctgtct ttaatctctt aatcccgtca tcttcataag 660
ctgaggagga tgtatgtcgc ctcaggaccc tgtgatgatt 700

```

<210> 2353

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2353
ttccccaat taatactttt ataattttctt acgcctgtct ttactgcaat ctctgaacat 60
aaattgtgaa gatttcattg acacttatca cttccccaat caacaccctt gtgatttcct 120
atgcctgtct ttaatctctt aatcccgtca tcttcataag ctgaggagga tgtatgtcgc 180
ctcaggaccc tgtgatgatt gcgttaactg cacaattgtt ttgtagagca tgtgtgtttg 240
aacaatacga aatctgggca ccttgaaaaa agaacaggat aacagcaatg ttcagggaac 300
aagagagata acctaaact ctgaccgctg gtgagtcggg cagaacagag ccatatttct 360
cttctttcaa aagtaaattg gagaaatatc gctgaattct tttctcagc aaggaacatc 420
cctgagaaaag acaattcgtc cctgagggtg ggccctctaa atggccactt tgggggcagc 480
tgtcttttac ggttgnagct gtagggatga aataagcccc agtctcccggt agcactccca 540
ggcttgtag gatgaggaaa ttcccaccta ataaattttg gtcagaccgg ttgtctgtct 600
tcaaaccctg tttcctgata agatgttatc aatgacaatg cgtgccccaa acttcattag 660
caattttaat ttgccccggg tcctgtggtc ctgtgatctc 700

```

<210> 2354

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2354
gtagggatga aataagcccc agtctcccggt agcactccca ggcttgtag gatgaggaaa 60
ttcccaccta ataaattttg gtcagaccgg ttgtctgtct tcaaaccctg tttcctgata 120
agatgttatc aatgacaatg cgtgccccaa acttcattag caattttaat ttgccccggg 180
tcctgtggtc ctgtgatctc acctgcctc catttgccct gtgatattct attaccttgt 240
gaagcagctg atctctgtga cctacaccct attcgtacac tccctccctt tttgaaatca 300
ctaataaaaa cttgctgggt ttatggctca gggggcatca tggaacctgc caatatgtga 360
tgtctcccc ggacacctag ctttaaaatt tctctctttt gtactctgtc cttttatttc 420
tcagaccagc tggcacttag ggaaaataga aaagaancct atgtgaatta tcagggtcga 480
attttgcccc atatacacca ttaaagaatg ggcaaagaag gccaggcaca gtgggtcatg 540
tctgttatcc cagcactttg ggaggccaag gcagggtggat cacctgaggt caggggtttg 600

```

```

agaccagcct gaccaatatg atgaaacccc atctctacta aaaatacaaa aaaaaanaaa 660
aaattagccg gacatggttg catgcgcctg tagtcccagc 700

```

```

<210> 2355
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2355
ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg tctgttatcc cagcactttg 60
ggaggccaag gcagggtggat cacctgaggt cagggggttg agaccagcct gaccaatatg 120
atgaaacccc atctctacta aaaatacaaa aaaaaanaaa aaattagccg gacatggttg 180
catgcgcctg tagtcccagc aactcaggag gttgaggcag gagaattgat tgaacccagg 240
cggcggagggt tgcagtgagc tgagattgcg ccactgtanc tccagcctgg gtgacagagt 300
gagactccat ctccaaaaaa aaaaaaagggt gcaaagaaca tgagcagtca gttcactgaa 360
aaataaataa aatggccaaa aaatacacaa aaacatgctc aacctcattc ataattaata 420
aataggaatg aaagtaacaa tgatatccat ttttcacata acagataacc aatgattaaa 480
aaattaggcc aggtgctgtg gctcaaacct gtaatcccag cactttggga gggtgaggcg 540
ggtggatcac ttgagcccag gagttngaaa ccagcctggg caaactggca aaatcccgtc 600
tntaccagaa aaaaaaaaaa attagctggg cttgacgggtg tgcatgcctg tagttccagc 660
tagttgggag tctgaggttg gaggatctct tgagcctggg 700

```

```

<210> 2356
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2356
gctcaaacct gtaatcccag cactttggga gggtgaggcg ggtggatcac ttgagcccag 60
gagttngaaa ccagcctggg caaactggca aaatcccgtc tntaccagaa aaaaaaaaaa 120
attagctggg cttgacgggtg tgcatgcctg tagttccagc tagttgggag tctgaggttg 180
gaggatctct tgagcctggg ggattgaggc tgcagtgagc tgggaatcta ggatcgcacc 240
actacactcc agagtgagac cctgtctcag aaaaaaaaaa aaaaaaaaga attaggtaat 300
ctttattggt ggtgagatta ttgaaaacca ctcttaccta ttaataatta gattataatt 360
ggcacaatat gtagagttca atttgggaat atctatgaaa ttttttaatg gctctctttg 420
ctccaggaat tttacttcta tgaatctacc tgtaaatacca aatatacgta agtaaatcca 480
caaaggggtg aggagcatag gnagaatggt cggttgtaat nttatttgta atagcaaaaa 540
cctggaaatg acctacatgt cctccattca ttggagcctg gttaaataaa ttatgtgttt 600
cnagtataaa agtaagattt tncattgtga aaacttcaaa tggcatggaa tgtactggaa 660
aaaagtacaa gttcacctcc cctctcccag gaggatccct 700

```

```

<210> 2357
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)

```

<223> n = A,T,C or G

<400> 2357

```

gnagaatggt cggttgtaatg nttatttgta atagcaaaaa cctggaaatg acctacatgt 60
cctccattca ttggagcctg gttaaataaa ttatgtgttt cnagtataaa agtaagattt 120
tncattgtga aaacttcaaa tggcatggaa tgtactggaa aaaagtacaa gtccacctcc 180
cctctcccag gaggatccct agaaaaccaa catgaactgt ttggtgagta gccctacaga 240
cattttgttt tgcacaacat tatgtacaca cacacatata tatataattt tttanacggc 300
actctttgct ccaggaattt tacttctgtg aatctatctg tagattatac ttacatatac 360
ttatttttaa atgtacttat atacattttt aaaaggaggt acctatttaa aaagaaggta 420
aaggagcaat atgtaactat ttggaaggat attctgatac aatgttaaagt ttaaaaagtt 480
ttaacatata taatgtttatt tgtgtgttta ttctttttat tttttattat ttttatttat 540
ttttgagaca gagttttgct nttgttgccc aggttgaggt gcagtgggtgc aatcttgact 600
cactgcagcc tctgcctcct ggggttcaagc aattctccta cctcagcctc cagagtagcc 660
gggattacag gcacctgccg gcacacctgg ctaatttttt 700

```

<210> 2358

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2358

```

tgtgtgttta ttcttttttat tttttattat ttttatttat ttttgagaca gagttttgct 60
nttgttgccc aggttgaggt gcagtgggtgc aatcttgact cactgcagcc tctgcctcct 120
gggttcaagc aattctccta cctcagcctc cagagtagcc gggattacag gcacctgccg 180
gcacacctgg ctaattttttt tatttttagt agagacaggg tttcaccatg ctggccaggc 240
tggtcttgaa ctctctggcct caggtgatcc acctaccttg gcctnccaaa gtgctgggat 300
tacatgcntg agccaccacg cctgagttgc nngtgtgttt aaaaaattat atacatacnt 360
gngnacatga tgtngtgcaa aacaaantgt ctgnancnct actcaccagt ttngnatngg 420
ctttctagag ctccctcctgg gagaggagag gngaacttgt actttntttc cngtacattc 480
tatgctattt gacgttttca caatgaaaat ctacttttta ncattgaaaa ctaattttaa 540
ggaagaacaa atgcacaaga tgcagctcac cgaggtaaac aaagtagggg gcaatgatgc 600
tgcccactct ggaggccgtg gatgtgaccc ccaccgccat gttcctgacc aggggtgggt 660
agagctcagc agtgaagaca tacagcatgg agaaagcaga 700

```